

SEQUENCE LISTING

<110> Henderson, Robert A.
 Wang, Tongtong
 Watanabe, Yoshihiro
 Johnson, Jeffrey C.
 Retter, Marc W.
 Marnerakis, Margarita
 Carter, Darrick
 Fanger, Gary R.
 Vedvick, Thomas S.
 Bangur, Chaitanya S.
 McNabb, Andria

<120> COMPOSITIONS AND METHODS FOR THE THERAPY
 AND DIAGNOSIS OF LUNG CANCER

<130> 210121.478C17

<140> US

<141> 2001-07-10

<160> 2002

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 527

<212> DNA

<213> Homo sapiens

<400> 1

```
ccaccagtcc acaaattgtga ctggtaaggg atctagtaac agaggatgga gttgggcaga 60
atattatcct ggatgatatg caccagcac tagaatacac ctttcattag aatgaagaga 120
acagacaaag ccctcagaaa agatacaaag gcagagacat tgattagaac attatctcat 180
aacagaggtg gggccattac ccaccattat tgtaaaataa ctgtaactaa ccaaaacaca 240
tacaggcttc tttaattggag ttaataaaaac tatggcacat tgggaatcag gggcagaggt 300
actgttccca gacggaaaac tgggataaag ggagccatgc tgacagggcc ttattccagt 360
ctagggtgtt agaaaggagc cctagcccag aaatgacagc aaatagccat aatcattatg 420
tggggctgaa ccagaggaag ccaggctgag ccaagaagct ggaagtatct tgaacggctc 480
tccaaatcca aagattatcc atactcttta tccctccagc gatgtgt 527
```

<210> 2

<211> 490

<212> DNA

<213> Homo sapiens

<400> 2

```

ccaagaggttc tccactgtga agactgaaag gacctggtga catttcggca tcagtcctgt 60
taccacttgg aggtaacaga agcaggctcg tgctctcctt taattctacc acactacatg 120
actcgcaatt ggttctgaaa ttagaacggt caccatcgta cttaaaatct taggggcatg 180
aagagtcagc tagaacaagg aaaaagaaag tcgcaggtag taggtaagta ggtgggcaca 240
tgaaaagcca agctgctctg tccaacacca gtgtacatgt gctttaacta aatgaactcc 300
agaggccaac agcagcagac ctgctcaatt caccttccaa atcagaacaa gaccaaaaag 360
ctcaggcttg agttgtcaac tatgcatagg ttccgccagt gctgaggggt gtgaggctct 420
agttgtgaag aagctacaag aaatcatgat gcatgtgatc tgggccgcac tggcatttgc 480
agctattcag                                     490

```

<210> 3
 <211> 464
 <212> DNA
 <213> Homo sapiens

```

<400> 3
ggagctgtgg gctcagtcgt ggggcagatt gcaaagctca agggctgcaa agttggttga 60
gcagtagggg ctgatgaaaa gggtgcctac cttcaaaagc ttggatttga tgtcgtcttt 120
aactacaaga cggtagagtc tttggaagaa accttgaaga aagcgtctcc tgatggttat 180
gattgttatt ttgataatgt aggtggagag ttttcaaaca ctgttatcgg ccagatgaag 240
aaatttgga ggattgccat atgtggagcc atctctacat ataacagaac cggcccactt 300
ccccaggcc cccccccaga gattgttate taccaggagc ttcgcattga agcttttgtc 360
gtctaccgct ggcaaggaga tgcccgcaca aaagctctga aggacttgct gaaatgggtc 420
ttagagttta aatttcagct tccctacttt gtaattgact gact                                     464

```

<210> 4
 <211> 510
 <212> DNA
 <213> Homo sapiens

```

<400> 4
ccttatcaca ctgtaagtgg tccaagccca tagggatgct ctttttggtt cctggaattt 60
ccagttggat gtgacagaga tctttcagta taggtctaag tcaagagtag cctctggggt 120
gaggtgggct gggagattaa catcttacct ggggtccttc agataaacct gttggttttt 180
cctgtctcat acaggcccat cttaagtttt gatgttgaat taaaactact tctaccccct 240
tagttataaa aaaggccaca aggagcattt atgtggatat ctggaagtga gatagttatt 300
ccattcccag gaaaagaaaa ataaagctaa gttacaaaac taaatctata tgcaataaag 360
ttattatata ctgctttggt taagcagagt cctctggaat ttatgtacag tacattagtt 420
ttcagctatt tatattccac aagttagacc ttaagattct ctggttttta gacaattggt 480
aaagatactt ctaaagctct gagcagttca                                     510

```

<210> 5
 <211> 452
 <212> DNA
 <213> Homo sapiens

```

<400> 5
acagcgcctc acgcacctga gccccgagga gaaggcgctg aggaggaaac tgaaaaacag 60
agtagcagct cagactgcc a gagatcgaaa gaaggctcga atgagtgagc tggaacagca 120
agtggtagat ttagaagaag agaaccaaaa acttttgcta gaaaatcagc ttttacgaga 180
gaaaactcat ggccttgtag ttgagaacca ggagttaaga cagcgcttgg ggatggatgc 240
cctggttgct gaagaggagg cggaagccaa ggtaaatcat ctcctttatt tgggtgcctca 300
tgtgagtact ggttccaagt gacatgaccc agcgattatg tttacagtct ggacttctga 360
tcaagagcgt tcttgaaatt ttccttcagt tttaagacat tttcatgcag gcagagtgtt 420

```


cttcccctaa aggcacttga cactcatttt tt

452

<210> 6
<211> 336
<212> DNA
<213> Homo sapiens

<400> 6
tatagagtgc tgacatctga cattgagaaa ttcatgccta ttgtttatac tcccactgtg 60
ggtctggcctt gccacaata tagtttggtg ttccggaagc caagaggtct ctttattact 120
atccacgacg gagggcatat tgcttcagtt ctcaatgcat ggccagaaga tgtcatcaag 180
gccattgtgg tgactgatgg agagcgtatt cttggccttg gagaccttg ctgtaatgga 240
atgggcatcc ctgtgggtaa attggctcta tatacagctt gcggagggat gaatcctcaa 300
gaatgtctgc ctgtcattct ggatgtggga accgaa 336

<210> 7
<211> 376
<212> DNA
<213> Homo sapiens

<400> 7
ctgtgggaaa cctcattggt ctgtacaaa tactagctaa accagaaagg tgattccagg 60
aggagttagc caaacaacaa caaaaacaaa aaatgtgctg ttcaagtttt cagctttaag 120
atatcttttg ataatgttat ttctattttt tatttttttt cattagaagt taccaaatta 180
agatggtaag acctctgaga ccaaaatttt gtcccatctc taccacctca caactgctta 240
cagaatggat catgtccccc ttatgttgag gtgaccactt aattgctttc ctgcctcctt 300
gaaagaaaga aagaaagaag actgtgtttt tgccactgat ttagccatgt gaaactcatc 360
tcattaccct tttctg 376

<210> 8
<211> 406
<212> DNA
<213> Homo sapiens

<400> 8
ggtagggagc aattctatta tttggcattg catggctggg ttgaattaaa acagggagtg 60
agaacagggt agtctagaag tccaactctg aaaaggacca ctgtacattt gaacacacgg 120
ctgtgttaaa gatgctgcta atgtcagtc ctgggtgcac taaaggatct cttattttat 180
gtaaaacggt gggattgaca agatagatct gatactctgt taagttaccc tctgaagcta 240
cttcttgtga aatactaata acagcatcat cctgccaaagc gaaagaggca ggcataagca 300
aggacaaatt aaaagggggg aagagcctta tcatgatgag gagtcttggt ttgacatctt 360
gggaaaagct gtccatagtg tgaagtcgtc aatttctcac catggg 406

<210> 9
<211> 330
<212> DNA
<213> Homo sapiens

<400> 9
actactacca agagctgcag agagacattt ctgaaatggt tttgcagatt tataaacaag 60
ggggttttct gggcctctcc aatattaagt tcaggccagg atctgtggtg gtacaattga 120
ctctggcctt ccgagaaggt accatcaatg tccacgacgt ggagacacag ttcaatcagt 180
ataaaaacgga agcagcctct cgatataacc tgacgatctc agacgtcagc gtgagtgatg 240
tgccatttcc tttctctgcc cagtctgggg ctgggggtgcc aggctggggc atcgcgctgc 300

210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221,
222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233,
234, 235, 236, 237, 238, 239

<223> n = A,T,C or G

<400> 13

```
ccagtcacaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag 60
ctycaattgc caatttgggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat 120
aggtgccaaa tcccaggaca ggcataaagt gaccatcatt cagcttcaca cactgatatt 180
tcgaatccat ttctgtcnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
caacctgctc ctcatatttg taaacatgtg cagaatcaat atggcggaac ccagcttcta 300
ttgctaattt tgtgacctcc aaagctttac ttctcggaac cttgggttctt ccgagcgctc 360
agcaatcccg ccgagcttct ttgagacgtc ctcaggtgtc ctttgacgat gcgtcctcca 420
ctttcacaca ctctagcatt ccttcactgg ggtcttcatt gccccacatt gggcagccag 480
gaatgttggg gtg 493
```

<210> 14

<211> 540

<212> DNA

<213> Homo sapiens

<400> 14

```
ccagatggtc cataatatgt caccgagcag gtgaatggca tttgtatgtc agccttggtt 60
gtcttgact ccagggtgga agtcatggta tagagctgag tcaactgggtc catttccttt 120
ttaaaattat gaccaccgtc ccttcaaggg gatgtagcac ttttccattc ctgtaccatg 180
tgatattgcc atctggataa ctgtcttctg aaatgcagtc acccaacttt tttagctgct 240
ctgtttcgag aaacagtgtc ttgcttacia tttcagggtt agatgggttg ttgaacacct 300
tgactattgt aggtgcctca aacacgttgt cctcagttac tagcatgcac acaaactctc 360
tttcatcact gatccttgca ttactgatag acaaagtgtg gttttctgag aggttcaatc 420
tgtctttgta ttctgggtaca tcgtcgtact gcacactttt ctttgtagag gatctgaagg 480
caataaatac tggggagcca tcgggctttt catatttcca tttgccccaa catgagattc 540
```

<210> 15

<211> 421

<212> DNA

<213> Homo sapiens

<400> 15

```
taccacacct cagcctccca tgtgagcctg tccttatgta tagtgtccaa cctctgattc 60
tagcagtcaa gtgtcttccc caatccta atgtctctag cgacttgacc 120
atctcttggt ccttgggact ggggccagcc tcttgctctg ccacttcctt ctcattagtc 180
agatagcccc aaaggctcta tcttttagct ccagagaact ttttggctct cagtatttcc 240
cttccccctt ccttcctatt ccccacaact gggggaggga agggagaaca ggggcacctg 300
atcatcaatc tcccctgccc ctctcttgaa gccccctaga tttggatgaa gagcaggcca 360
gtgagcaggg caaagcctgc taggagcaga atgaccttga ggatcctttg ctcagaactg 420
g 421
```

<210> 16

<211> 236

<212> DNA

<213> Homo sapiens

<400> 16

gccgtgtgtg cttttcccag tgccgaggta cctatcgctc acggccagga gcttgtcgtg 60
 gctgacagca aagagctgct ctctgtgggc ctgcttcac tcatccgaga ggccgtacaa 120
 gaagtgggtcc attcctttgt ctgaaggagc gacaggagca tctacgggtg agaagacaga 180
 aagtttggct tcgtcgatgt cttgctgtgt gaattttcca gacttagccc agtcga 236

<210> 17

<211> 424

<212> DNA

<213> Homo sapiens

<400> 17

ccagaaaggt gacagtgggt ttccagggcc tcctgggcct ccagggtccac ctggtgaagt 60
 cattcagcct ttaccaatct tgtcctccaa aaaaacgaga agacatactg aaggcatgca 120
 agcagatgca gatgataata ttcttgatta ctcggtatgga atggaagaaa tatttggttc 180
 cctcaattcc ctgaaacaag acatcgagca tatgaaattt ccaatgggta ctcagaccaa 240
 tccagcccga acttgtaaag acctgcaact cagccatcct gacttcccag atggtgaata 300
 ttggattgat cctaaccaag gttgctcagg agattccttc aaagtttact gtaatttcac 360
 atctgggtggg gagacttgca tttatccaga caaaaaatct gagggagtaa gaatttcac 420
 atgg 424

<210> 18

<211> 154

<212> DNA

<213> Homo sapiens

<400> 18

gtcaccaact ccttcagcgc ctccacaggg stttcggaca tgacagcaac cttttctccc 60
 aggacaattg aaatttgcta aagggaaagg ggaaagaaag ggaaaaggga gaaaaagaaa 120
 cacaagagac ttaaaggaca ggaggaggag atgg 154

<210> 19

<211> 445

<212> DNA

<213> Homo sapiens

<400> 19

caacaaaatt ggtgaacaca tggaagaaca tggcatcaag tttataagac agttcgtacc 60
 aattaaagtt gaacaaattg aagcagggac accaggccga ctcagagtag tagctcagtc 120
 caccaatagt gaggaatca ttgaaggaga atataatacg gtgatgctgg caataggaag 180
 agatgcttgc acaagaaaaa ttggcttaga aaccgtaggg gtgaagataa atgaaaagac 240
 tggaaaaata cctgtcacag atgaagaaca gaccaatgtg ccttacatct atgccattgg 300
 cgatatattg gaggataagg tggagctcac ccagttgca atccaggcag gaagattgct 360
 ggctcagagg ctctatgcag gttccactgt caaagtgtga ctatgaaaat gttccaacca 420
 ctgtatttac tcctttggaa tatgg 445

<210> 20

<211> 211

<212> DNA

<213> Homo sapiens

<400> 20

gggtgccact gcctgcttga aagcactttc tgaacctaca gaagttgggt attgtctgaa 60
 atcccagagg acccataagt gccggtgaca agctgtctgt caggggagag gctccagaac 120
 ctgggttcgt cccagtgag accggaggat gatcccccaa ggactgcgca gcatcagctc 180

ttggtgggcc tctgccttct cttctgtttg g

211

<210> 21

<211> 396

<212> DNA

<213> Homo sapiens

<400> 21

tgccccctgta	ttggattgcc	acacggctca	cattgcatgc	aagtttgctg	agctgaagga	60
aaagattgat	cgccgttctg	gtaaaaagct	ggaagatggc	cctaaattct	tgaagtctgg	120
tgatgctgcc	attggtgata	tggttcctgg	caagcccatg	tgtgttgaga	gcttctcaga	180
ctatccacct	ttgggtcgcct	ttgctgttcg	tgatatgaga	cagacagttg	cggtgggtgt	240
catcaaagca	gtggacaaga	aggctgctgg	agctggcaag	gtcaccaagt	ctgcccagaa	300
agctcagaag	gctaaatgaa	tattatccct	aatacctgcc	acccactct	taatcagtgg	360
tggaagaacg	gtctcagaac	tgtttgtttc	aattgg			396

<210> 22

<211> 277

<212> DNA

<213> Homo sapiens

<400> 22

ggaaccatgt	ggccggcgcc	cttgatcgtg	agaaaggcga	tgtgggagaa	ctccttcacg	60
aagccggcaa	tctgtcctcc	gctgtcccg	tacttcacta	accagggccg	gcgctgcacc	120
tccatcttct	ggttgaggga	atccacaaac	cactcatccc	ccatgaaatt	gcaggccatg	180
tctacatctc	cattatataa	taggatctgg	gatttctgtg	agctaagcag	cttcagatac	240
tgggagttca	tgcttcggta	gagacggcgg	tactgta			277

<210> 23

<211> 634

<212> DNA

<213> Homo sapiens

<400> 23

tctgaccatc	catatccaat	gttctcattt	aaacattacc	cagcatcatt	gtttataatc	60
agaaactctg	gtccttctgt	ctggtggcac	ttagagtctt	ttgtgccata	atgcagcagt	120
atggagggag	gattttatgg	agaaatgggg	atagtcttca	tgaccacaaa	taaataaagg	180
aaaactaagc	tgcatgtggg	gttttgaaaa	ggttattata	cttcttaaca	attctttttt	240
tcagggactt	ttctagctgt	atgactgtta	cttgaccttc	tttgaaaagc	attcccaaaa	300
tgctctatth	tagatagatt	aacattaacc	aacataatth	tttttagatc	gagtcagcat	360
aaatttctaa	gtcagcctct	agtcgtgggt	catctctttc	acctgcattt	tatttggtgt	420
ttgtctgaag	aaaggaaaga	ggaaagcaaa	tacgaattgt	actatttgta	ccaaatcttt	480
gggattcatt	ggcaaataat	ttcagtgtgg	tgtattatta	aatagaaaaa	aaaaattttg	540
tttcctaggt	tgaagggtcta	attgatacgt	ttgacttatg	atgaccattt	atgcactttc	600
aatgaattt	gctttcaaaa	taaatgaaga	gcag			634

<210> 24

<211> 512

<212> DNA

<213> Homo sapiens

<400> 24

gcaaaacaag	cctaagcaag	cacaacgaag	agcagaagtc	agtgaatta	aaaagaggaa	60
aaagaaaaat	cataaaaaatc	ataaaaagtt	atttctttga	aaagatcaat	gaaatttagc	120

aagactgaca cagataaaaa ggaattagac ccaaatacagt gaacaggaat gaaatagagg 180
 atatcactac agaggctgca gccattgaaa ggataattag gaaatcccac agataacttt 240
 gtgctcataa atttgacaat gtagaggaaa tatcttttagt tttaattagc tttttatttt 300
 agtttttctc aaaaactaaa acttaataaa actcaaccaa gacaaaatag acaatcagaa 360
 tgtaggcata cctcagagat gtggcggatt tggtttcaga ctactgcaat aaaccaaata 420
 tggcaataaa aggagtcaca gaaagtgggt tcccagtgta tatatataaa agttacattt 480
 actctatgaa gtgcaataac attttgtcta aa 512

<210> 25

<211> 461

<212> DNA

<213> Homo sapiens

<400> 25

ctctgtttca gcacctcatt gggattattg aactcattaa attctttaca tgaacttgaa 60
 ttgttcattg aaatctctag ccatttccct ggttaaacag gataatcttt ttttttact 120
 aaagaacatt cgtgggtggt tagtgatgag gttaatatc ccctcttgct cacctccaca 180
 ttggaaaaac cacgttggac tgagttttga ggagcaaaga actaatcact tgaccaaagg 240
 ggccctgtat cccacaagc cctgggtatt tttctctcat agagagaaga gggctctgtat 300
 ggataacctga aaatgtgatt ttatatattc ttggcatcca ggggagaaaa atcaaaaagc 360
 aaggaagtta cagttatctc cccagaaatt aatgggtcat gtcaagacta taggttttca 420
 tttccttctg ttgcttggtta gaatgatggt cttgtgggaa a 461

<210> 26

<211> 317

<212> DNA

<213> Homo sapiens

<400> 26

tgctggagtc ggaactgctg cctttgtttg gcggccttgt ttcttaaate agttccctct 60
 taggatttat tacactaaaa aaaaattagt ttttgaaaag aaataggaga atacagaaac 120
 atgaatttca cgaggctatc atctaacagt gggggccttc tacacacgtg gtgccaaaat 180
 gtgtcattct gagtcaattg caattcctct ctaggagtga aaagagataa aagataagcc 240
 aagaaccctg gacagattct tgggtgttggg gacaaagagg aaaggacctg agaatggggc 300
 tgggtggggag agggggg 317

<210> 27

<211> 250

<212> DNA

<213> Homo sapiens

<400> 27

taattgctgt gattattaga attctatcat gactgtattg tagtttttgc tctattycag 60
 ataagcmaga tctaagaagt tatcaaaact attcttttaa atgctaaagc aggtaacttt 120
 ttcttccatt attttttccct cctaccactg agtttttgtaa tgaattcctt gtgtatacaa 180
 gcaatacagg tgaataactaa actgttattt ttagcttctt caaaagctat tttagaaagc 240
 ttcctggaaa 250

<210> 28

<211> 532

<212> DNA

<213> Homo sapiens

<400> 28

```

cctatatcat tcatttatac agaagctgct tgctgcttag caagttggtg ggtttgattt 60
tccttggttg ctttgcagac ctcccttgag aggattcctt ctggatggag atttctttgt 120
tgctgtctcc cttgccacaa ctctgaccaa gattgcattg cgctatgtag ctttggttca 180
ggagaagaaa aagcaaaatt cttttgttgc tgaggctatg ttgctcatgg ctactatcct 240
gcatttgagg aaatcctctc ttcctaagaa gccaattact gatgatgatg tggatcgaat 300
ttccctgtgc ctcaaggtct tgtctgaatg ttcaccttta atgaatgaca ttttcaataa 360
ggaatgcaga cagtcccttt ctcacatgtt atctgctaaa ctagaagaag agaaattatc 420
ccaaaagaaa gaatctgaaa agaggaatgt gacagtacag cctgatgacc ccatttcctt 480
catgcaacta actgctaaga atgaaatgaa ctgcaaggaa gatcagtttc ag 532

```

<210> 29

<211> 486

<212> DNA

<213> Homo sapiens

<400> 29

```

ctgttttttg acttaattaa cywttgcaag tggaaaccaa gaaataattg tagcataact 60
ctctctattg tcatgttgct tctttctgca aatatatctt acaagttaga ctttaaacct 120
ttgatctccc acaccaaag agaaaataat atttatatgg aagtaatttt attttagtgt 180
ttgtgattta ttgtggagag caggbgttta aaaatttttag aattttcttt taacaaaatc 240
aaatacattg ttaaggtaac aaagaataat tcactatttc agcatttcaa agcaacatat 300
tctacaactt caaagatatt tgcaaaaata atacaactgt tgaagttcaa atgttatgga 360
aagaaacatt agaagtatga aaagtggtag aaaaacatgt ttctttttat tctcttggat 420
atatatctat atatttagga aaatacatat atgtatgtgt atgtatatat atgtatgaaa 480
atatac 486

```

<210> 30

<211> 240

<212> DNA

<213> Homo sapiens

<400> 30

```

aagacctgag gaaggaaaac aaattggctt cctgctgaag aakcaaaaata gacatttttt 60
aatgtctctt gaccccagtt ccaagttcac cctgttgctt gttcttcctc ccaccttttg 120
gggttctata actgcatccc ccacacatct ttcaccacca cccatacat accagctctc 180
ctgttggtggg attcaggaca taggaagagt tgctgaaggc acgggtgctt ttgggattcg 240

```

<210> 31

<211> 233

<212> DNA

<213> Homo sapiens

<400> 31

```

ccattgatgc aggatatcgg cacattgact gtgcctatgt ctatcagaat gaacatgaag 60
tgggggaagc catccaagag aagatccaag agaaggctgt gaagcgggag gacctgttca 120
tcgtcagcaa gttgtggccc actttctttg agagaccctt tgtgaggaaa gcctttgaga 180
agaccctcaa ggacctgaag ctgagctatc tggacgtcta tcttattcac tgg 233

```

<210> 32

<211> 233

<212> DNA

<213> Homo sapiens

<400> 32

gaggaatgct ggactggagg cccctggagc cagatggcaa gagggtgaca gcttcctttc 60
 ctgtgtgtac tctgtccagt tccttttagaa aaaatggatg cccagaggac tcccaaccct 120
 ggcttggggg caagaaacag ccagcaagag ttaggggcct tagggcactg ggctgttggt 180
 ccattgaagc cgactctggc cctggccctt acttgcttct ctagctctct agg 233

<210> 33

<211> 319

<212> DNA

<213> Homo sapiens

<400> 33

ctgggcctgg atggtctagg atagccttac tcacttgctt ggcagggtgac aggctgttgg 60
 ctggaattgc ttggttctcc tccatgtggc ctctccagta ggctagctca ggcttattca 120
 catgatggct tcaggattcc aaagagagtg agagtagaag ctgaaagact tcttgagtgc 180
 ttggcctgga actgggacta ggacagtgtc acttctgcta agttcttttg gtcagagcaa 240
 atcacaaggc tttaccacaga ttcaagggat gagaaacaga ctacatgtct tgatgagggg 300
 aaccacaaag agcttgtgg 319

<210> 34

<211> 340

<212> DNA

<213> Homo sapiens

<400> 34

tacagattta attcatgtta ttaactccct gcctttttacc tcttccctcc tcccttggca 60
 caactgccag atggatgtgg ctggaagtca gaggacattc tcgtgggttc gtgggcctag 120
 ggtacaaatg acctcagcgt gacagcaaac aggacagaga agaccaggct cttactcagg 180
 aatccaccag ccaggagaat gacaatgttg aacaccggaa ccctgatgat atctgtcaca 240
 tttgtaaggt tgatttcaga gtcaggagtg gagacatcgg cagttgactt ggggtggagct 300
 tgggtcacag ttctggggct ggtatagagt gggcacaagg 340

<210> 35

<211> 170

<212> DNA

<213> Homo sapiens

<400> 35

acatgggtcc ttcactcctc gctgagatgt tgcggcagcc ttttcttcca atgcgggttg 60
 ggcaggagaa tccacggatg taatgttttc acctttttcc ctgaggggtgc tttctgagga 120
 accagycctt aagaggtggg gtcttggatt cctgacctag gcgtccggca 170

<210> 36

<211> 475

<212> DNA

<213> Homo sapiens

<400> 36

ctgttttttg acttaattaa ccattgcaag tggaaaccaa gaaataattg tagcataact 60
 ctctctattg kcatgttgct tctttctgca aatatatctt agaagttaga ctttaaaccct 120
 ttgatctccc acacaaaag agaaaataat atttatatgg aagtaatttt attttagtgt 180
 ttgtgattta ttgtggagag caggtgttta aaaatttttag aatttcttta acaaaattct 240
 aaagagaaaa taaaaaagaa atcacagtat ttacagagat aacagaatgg cttagccatg 300
 caaaacaaat aactttggtt tttccccttt tacttttggt taaatgttga ccaagattca 360

atttttttttc ctgccaaata aaacttcaat aaaagtttag aggcaaaata acgtatttttc 420
 tttttttccc ataatatattt atacagcatc gagtctaaga atattttatg cattt 475

<210> 37
 <211> 246
 <212> DNA
 <213> Homo sapiens

<400> 37
 ccttgagcctt gggccggggca ctgaggcgcc ccacatatgc tgagagcagg gggaaacgcat 60
 ccaggcagcc aggggctagg acctcatgga tcagcagcaa gtccagcagg ttgtagtcag 120
 cgaaggagat ctggtctccc acaatgaagg tcttgccctcc ctgggtcttg gacagcaggg 180
 tctcaaaagg cttcagttgc ccgggcagtg ccttcacata gtcaccttg cccacctcat 240
 agttgg 246

<210> 38
 <211> 512
 <212> DNA
 <213> Homo sapiens

<400> 38
 gctggaagtg aaatgcagat cagacccatt gtgatgtcac agaaagatgg ggacaggcca 60
 aagaaaaaag tgactttcaa ctcttcttcc atcattttta tcatcaccag tgatgaatca 120
 ctgtcagttg acgacagcga caaaaccaat ggggccaaag ttgatgtaat ccaagttcgt 180
 cctttgtagg aatgaagaat ggcaacgaaa gatggggcct taaattggat gccacttttg 240
 gactttcatc ataagaagtg tctggaatac ccgttctatg taatatcaac agaaccttgt 300
 ggtccagcag gaaatccgaa ttgcccatac gctcttgggc ctcaggaaga ggttgaacaa 360
 aaacaaattc ttttaattca acgggtgctt tacataatga aaaaaccact tgtggcacac 420
 gatgggcac taacatcatc atcttctaata gtgttgagga ttttcatttc aaatatattt 480
 tttaaattac tctattttcc aaaacacgta at 512

<210> 39
 <211> 370
 <212> DNA
 <213> Homo sapiens

<400> 39
 ttttatgaac aagatataag gatcaaaaaa aagggtgttg atatgttttt ccaagcagag 60
 atgtactcga ctctgtccta tttagccttc ccatacctga cttctaata cttttccttg 120
 tgccctycca tctccctaac cccccctcac agggatgcct cctcccaagg ctccagaaac 180
 tctgaccctc gcaactgctgg agggagccca tgaattgctg gtcaatatcg ctcacctct 240
 akactccatc ctgcgtgtgc ttcttcctac aagagctaga gaggcactga ctgataaata 300
 cctgtcacct gcccttttcc cagaggggtga aactccaccc actccactg cagaaatgaa 360
 tcttaaattg 370

<210> 40
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 40
 cctgaggggtt ttcccttttaa attttcattg agttgtccat ctccagcata tagggcttca 60
 ggagcagagc agaccttggt tttagtgggt ccatgggata aaatgggatt ggaggagcta 120
 gaagaattca gggctctggc caatctgcc aatctcctga aatatcgaaa atacaccagg 180

204

```
<400> 41
caggcagcaa ttcgtaaaga attaaatgag tacaaaagta atgaaatgga ggtacatgca 60
tcaagcaagc acttgacaag attccacagg ccatagagat tttcttctga gaagaatttg 120
tgtttaattt tttgatacca aactgaaca ttcattcaggg aactttctctg aagttcagct 180
caagactacc ctacctgctg tgtttgtgag aagagtagga tcacacacac aggtgcaatc 240
ttgaccacac ttacctgcaa gaggagtaac cagaggacac acttccttcc ttctttggtg 300
tctgaggagt gtgaactgtt ggggtcagtt aagacccaac ataactctat cagaagaaaa 360
ctgttgtttg cctttcaacc ttgtttttaca gttctgcagt gtagtgaggg acgggcaacg 420
tgcattgtgca ggctcaccac tcccagg                                     447
```

<400>	42						
ctgggttttgt	aaaaacagtc	tcttttattct	actgtgctga	aaccctcacc	aatatagaaa	60	
attagattct	cattgcactg	aactatatatt	atatgcctaa	gtatgtagaa	gtaaaattat	120	
ataccccaaa	aggattttat	cttgtttgtat	atattaaatg	ttattttctgc	atatagggtc	180	
ttttatggag	aaactgatga	tgataagctt	aatactcact	tgttttagcag	catctgaatg	240	
cacaaatgct	ttatatatct	cttctgcttt	acagggcaaa	agatcagact	ctgttttctt	300	
atagtcttca	caagccagcc	agaactcaat	attctcctca	ctgaattcag	actttaggaa	360	
acttccaaag	acatttttgac	cagtttgggt	ggcaagaagt	ttttccagag	attgagacca	420	
ttgcattact	tcagcagcag	aaagtacatc	cttggacttg	gaagatttca	ttccagattc	480	
cagatgtggg	atcataga					498	

```
<400> 43
caggaaggcg gccaagaatg tgagtgcaaa gattggttcc tgagagcccc gagaagaaaa 60
ttcatgacag tgtctgggct gccaaagaag cagtgccctt gtgatcattt caagggcaat 120
gtgaagaaaa caagacacca aaggcaccac agaaagccaa acaagcattc cagagcctgc 180
cagcaatttc tcaaacaatg tcagctaaga agctttgctc tgcctttgta ggagctctga 240
gcgcccactc ttccaattaa acattctcag ccaagaagac agtgagcaca cctaccagac 300
actcttcttc tc                                     312
```

```
<400> 44
ctaacacatt tactctccac tattegtact ctggtagcca tgттаacccc atcagagatt 60
ccttctcaag ccatgtctca gagctgagag gcatcccagc aagttttgca gctcacagtt 120
```


ttttccgtaa attacttatt ctataaaatt ggagtaggcc ataaactttg gagggcccta 180
 gaccaatttt ttggattatt tttcgtcttc tatcattccg ctgatcttag atattctctg 240
 cattaaatat taaatatcac ttctaggctg aaaaatcccc ctaaaaatat ttctagctca 300
 gattttttcct ccaaattctg caatagaaga tcacaatgtg aactctgcat ctccatgtta 360
 aagtctaata gacattcaca cttagcatgt ctcaaagaaa tctcatgtaa accatgg 417

<210> 45

<211> 494

<212> DNA

<213> Homo sapiens

<400> 45

cgcgtgtctg tggatatgtg acacgtgcat gttctgcatg tctgtaggtc acacatgctt 60
 tgggtgcatgt acacgtgtgt gtgtgtatgc gtgtaggagc tcacacttgt gtacacgttt 120
 gtgtgcatgc atgtgtgcag gagcttgacg gtttgtggtg ggtacatgta catatgtgag 180
 tgatcctgtg tgcaagcccc catgtggaca tggctatgag tgagcgtgga gccaaaagcc 240
 aggtaacacg catgcagcag gccactgtg cgtgtctgag acggtctgtg gcagggactg 300
 ggtgtgaatc atgcagcagg cccactgtgc gtgtctgaga cgggtctgtg cagggactgg 360
 gtgtgaatca gtgaccgtgt ctctgaccaa catgctgaat tacaaattga taatttatta 420
 acctgtgcag caacaaataa gatttttcaa aactcaacaa agtgctcaaa gttgacatta 480
 cttgcttcaa agtt 494

<210> 46

<211> 516

<212> DNA

<213> Homo sapiens

<400> 46

ccagtccaac ctgctcctca ttattgtata aatgagcaga atctatatgg cggaacccag 60
 cttctattgc taattttgtg acctccaaag ctttacttct cggaacctcc tcctttggcc 120
 gtcatttgat cattcaactc tttgtcagtg gcaactcccg ctatttttgt gtgttggttt 180
 gttactacac agtgagcaca aacatggtgg tccaatacag aggcctcttc tgtcagggtg 240
 caaccagaaa gttcatctaa cactgtgata tttgcatcct tcttgaacag ttgttggtctg 300
 aagattcatt tgatgaatcg atttttcaaa agagatgatt cttgggttctt ccgagcgctc 360
 agctctcccg ccgagcttct ttgagacgct ctcagggtgt ctttgacgat gcgtcctcca 420
 ctttcacaca ctctagcatt ccttcaactgg ggtcttcatt gccccacatt gggcagccag 480
 gaatgttggg gtgatcagac acaacaccag gtcatg 516

<210> 47

<211> 459

<212> DNA

<213> Homo sapiens

<400> 47

ccaattcaga gtggcattct gcatttctgt ggcttccaag tcttagaacc tcaactgaca 60
 tatagcattg ggcacactcc agcagacgcc cgaattcaaa tcctggaagg atggaagaaa 120
 cgcctggaga atatttgga tgagacacca ctgtattttg ctccaagcag cctctttgac 180
 ctaaacttcc aggcaggatt cttaatgaaa aaagaggtac aggatgagga gaaaaacaag 240
 aaatttggcc tttctgtggg ccatcacttg ggcaagtcca tcccaactga caaccagatc 300
 aaagctagaa aatgagattc cttagcctgg atttcttct aacatgttat caaatctggg 360
 tatctttcca ggcttccctg acttgcttta gtttttaaga tttgtgtttt tctttttcca 420
 caaggaataa atgagaggga atcgaksaaa aaaaaaaaaa 459

<210> 48

<211> 430
 <212> DNA
 <213> Homo sapiens

<400> 48
 cctatatattca gccacagcct ctgggagtggt tgctgataat cggagcttgg aattaccctt 60
 tcgtttctcac cattcagcca ctgataggag ccatcgctgc aggaaatgct gtgattataa 120
 agcctttctga actgagtgaa aatacagcca agatcttggc aaagcttctc cctcagtatt 180
 tagaccagga tctctatatt gttattaatg gtggtgttga ggaaaccacg gagctcctga 240
 agcagcgatt tgaccacatt ttctatacgg gaaacactgc ggttggcaaa attgtcatgg 300
 aagctgctgc caagcatctg acccctgtga ctcttgaact gggaggggaaa agtccatggt 360
 atattgataa agattgtgac ctggacattg tttgcagacg cataacctgg ggaaaataca 420
 tgaattgtgg 430

<210> 49
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 49
 ccatccgaag caagattkca gatggcagtg tgaagagaga agacatattc tacacttcaa 60
 agctttggwg caattcccat cgaccagagt tgggtccgacc agccttggaa aggtcactga 120
 aaaatcttca attggattat gttgacctct accttattca ttttccagtg tctgtaaage 180
 caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac acagtggatc 240
 tctgtgccac gtgggaggcc rtggagaagt gtaaagatgc aggattgg 288

<210> 50
 <211> 411
 <212> DNA
 <213> Homo sapiens

<400> 50
 ccagagaatg acattcatgt ccccggtggat cccttgcaga gagtacatgg agccactgcc 60
 accagtgggtg atggaaagca ctgtcttctt actccggaag ggtcctttgt catacatggc 120
 agcgtaagtg taagcaaact ctctatgaa cactcgctca aaccagcctt tcagaatggc 180
 agggactcca aaccactgca ggggggaactg gaatatcaca aggtctgcgg cttccagctt 240
 cttttgttca gccacaatat ctgggctcag atggccttct ttataagcca gaacagactc 300
 ggcaggatac tgaaagtctg cagggctcctt cagtttacct gtgatgtcct ttctggaaat 360
 gatgggattg aagttcatgg catagagggtc cgactccacc acctcccatc c 411

<210> 51
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 51
 gatattcttat gattaaaaac aaattaaatt ttaaaacacc tgaagatata ttagaagaaa 60
 ttgtgcaccc tccacaaaac atacaaagtt taaaagtttg gatctttttc tcagcaggta 120
 tcagttgtaa ataatagaatt aggggccaaa atgcaaaacg aaaaatgaag cagctacatg 180
 tagttagtaa tttctagttt gaactgtaat tgaatattgt ggcttcatat gtattatttt 240
 atattgtact tttttcatta ttgatggttt ggactttaat aagagaaatt ccatagtttt 300
 taatatccca gaagtgaac aatttgaaca gtgtattcta gaaaacaata cactaactga 360
 acagaagtga atgcttatat atattatgat agccttaaac ctttttcctc taatgcctta 420
 actgtcaaata aattataacc ttttaaagca taggactata gtcagcatgc tagactgaga 480

ggtaaact gatgcaatta aga

503

<210> 52

<211> 503

<212> DNA

<213> Homo sapiens

<400> 52

gatatcttat	gattaaaaac	aaattaaatt	ttaaaacacc	tgaagatata	ttagaagaaa	60
ttgtgcaccc	tccacaaaac	atacaaagtt	taaaagtttg	gatctttttc	tcagcaggta	120
tcagttgtaa	ataatgaatt	aggggccaaa	atgcaaaacg	aaaaatgaag	cagctacatg	180
tagttagtaa	tttctagttt	gaactgtaat	tgaatattgt	ggcttcatat	gtattatttt	240
atattgtact	tttttcatta	ttgatggttt	ggactttaat	aagagaaatt	ccatagtttt	300
taatatccca	gaagtgaac	aatttgaaca	gtgtattcta	gaaaacaata	cactaactga	360
acagaagtga	atgcttatat	atattatgat	agccttaaac	ctttttcctc	taatgcctta	420
actgtcaa	aattataacc	ttttaagca	taggactata	gtcagcatgc	tagactgaga	480
ggtaaact	gatgcaatta	aga				503

<210> 53

<211> 531

<212> DNA

<213> Homo sapiens

<400> 53

tttttttttt	tttttaaaat	gaggatattt	tattattttca	ggtaattttc	ccagaggkga	60
gaatagtaca	tgggaaattc	tctttaggcc	aggtctagta	ttacagkgtg	gkgctcaagg	120
ccgcccata	gaacagtgat	actctcccaa	cagatttcat	ccaccccgtc	tccactaact	180
tttgccataa	aaattcctct	gaattgtatc	ttcttggaag	aagtaaata	ctgttcgact	240
atacaaagaa	acagagaaac	cactcccatt	gcaatcaatc	ttcaagagag	ggagcaggca	300
agccgtgttc	tttctgctga	gttttataga	ctctgacaag	ctgtgaaata	aacataaaca	360
gaagacaaaa	cagtgccaca	aataagcagt	agatgaccct	gtgacaagac	ggcattgcag	420
aacaaagact	gacgtttaa	ggggagtc	gcagagtaac	atgggaacac	aagcctgaca	480
acctggtcag	cttccactta	ctctagctcc	tttgaactct	caacactaaa	a	531

<210> 54

<211> 450

<212> DNA

<213> Homo sapiens

<400> 54

ccatgggtgt	ctggagcwcc	ctgaaactgt	atcaaagttg	tacatatattc	caaacatttt	60
taaaatgaaa	aggcactctc	gtgttctcct	cactctgtgc	actttgctgt	tgggtgtgaca	120
aggcatttaa	agatgtttct	ggcattttct	ttttatttgt	aagggtggtg	taactatggt	180
tattggctag	aaatcctgag	ttttcaactg	tatatatcta	tagtttgtaa	aaagaacaaa	240
acaaccgaga	caaacccttg	atgctccttg	ctcggcgttg	aggctgtggg	gaagatgcct	300
tttgggagag	gctgtagctc	agggcggtga	ctgtgaggct	ggacctgttg	actctgcagg	360
gggcatccat	ttagcttcag	gttgtcttgt	ttctgtatat	agtgacatag	cattctgctg	420
ccatcttagc	tgtggacaaa	ggggggtcag				450

<210> 55

<211> 648

<212> DNA

<213> Homo sapiens

<400> 55

```

caacttcaac cacaggctgc tggasatgat cctcarcaag ccagggtca agtacaagcc 60
tgtctgcaac caggtggaat gtcatectta cttcaaccag agaaaactgc tggatttctg 120
caagtcaaaa gacattgttc tggttgccta tagtgctctg ggatcccacc gagaagaacc 180
atgggtggac ccgaactccc cgggtgctctt ggaggaccca gtcctttgtg ccttggcaaa 240
aaagcacaag cgaaccccag ccctgattgc cctgcgctac cagctrcagc gtgggggtgt 300
ggtcctggcc aagagctaca atgagcagcg catcagacag aacgtgcagg tgtttgaatt 360
ccagttgact tcagaggaga tgaaagccat agatggccta aacagaaatg tgcgatattt 420
gacccttgat atttttgctg gccccctaa ttatccattt tctgatgaat attaacatgg 480
agggcattgc atgaggtctg ccagaaggcc ctgcgtgtgg atgggtgacac agaggatggc 540
tctatgctgg tgactggaca catcgctctt ggttaaattc ctctgcttg gygayttcag 600
caagctacag caaagcccat tggccggaaa aaatatcaag ggtcaaatt 648

```

<210> 56

<211> 536

<212> DNA

<213> Homo sapiens

<400> 56

```

ctggcatgag aatatttttt tttttaagtg cggtagtttt taaactgttt gtttttaaac 60
aaactataga actcttcatt gtcagcaaag caaagagtca ctgcatcaat gaaagttcaa 120
gaacctctg tacttaaaca cgattcgcaa cgttctgtta tttttttgt atgtttagaa 180
tgctgaaatg tttttgaagt taaataaaca gtattacatt tttaaaactc ttctctatta 240
taacagtcaa tttctgactc acagcagtga acaaaccccc actccattgt atttggagac 300
tggcctccct ataaatgtgg tagcttcttt tattactcag tggacctgcc cgggcggccg 360
ctcgaagccg aattccagca cactggcggc cgttactagt ggatccgagc tcggtaccaa 420
gcttggccgt aatcatggtc atagctgttt cctgtgtgaa attgttatcc gctcacaatt 480
ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagt 536

```

<210> 57

<211> 391

<212> DNA

<213> Homo sapiens

<400> 57

```

aggaactact gtcccagagc tgaggcaagg ggattttctca ggtcatttgg agaacaagtg 60
cttttagtagt agtttaaagt agtaactgct actgtattta gtgggggtgga attcagaaga 120
aatttgaaga ccagatcatg ggtgggtctgc atgtgaatga acaggaatga gccggacagc 180
ctggctgtca ttgctttctt cctccccatt tggacccttc tctgccctta catttttgtt 240
tctccatcta ccaccatcca ccagtctatt tatttgtcta gttggatttc atttcttctg 300
gaaaatttat tgtttattgg catgtgaccc ttgactgatg gcttcattag cattytgttt 360
ttcttttttg atccttaata gaaaactcaa t 391

```

<210> 58

<211> 455

<212> DNA

<213> Homo sapiens

<400> 58

```

gaagacatgc ttacttcccc ttcaccttcc ttcattgatg gggaagagtg ctgcaaccca 60
gccctagcca acgccgcatg agagggagtg tgccgagggc ttctgagaag gtttctctca 120
catctagaaa gaagcgctta agatgtggca gccctcttc ttcaagtggc tcttgtcctg 180
ttgccctggg agttctcaaa ttgctgcagc agcctccacc cagcctgagg atgacatcaa 240
tacacagagg aagaagagtc aggaaaagat gagagaagtt acagactctc ctgggcgacc 300

```

ccgagagctt accattcctc agacttcttc acatggtgct aacagatttg ttcctaaaag 360
 taaagctcta gaggccgtca aattggcaat agaagccggg ttccaccata ttgattctgc 420
 acatgtttac aataatgagg agcaggttgg actgg 455

<210> 59
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 264, 266
 <223> n = A,T,C or G

<400> 59
 ctcagaggca gcgtgcggt gtgctctttg tgaaattcca ccatggcgta ccgtggccag 60
 ggtcagaaag tgcagaaggt tatggtgcag cccatcaacc tcattctcag atacttaca 120
 aatagatcgc ggattcaggt gtggctctat gagcaagtga atatgaggat agaaggctgt 180
 atcattggtt ttgatgagta tatgaacctt gtattagatg atgcagaaga gattcattct 240
 aaaacaaagt caagaaaaca actngntcgg atcatgctaa aaggagataa tattactctg 300
 ctacaaagtg tctccaacta gaaatgatca atgaagtgag aaattgttga gaaggatata 360
 gtttgttttt agatgtcctt tgtccaatgt gaacattt 398

<210> 60
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 60
 gacttctgag acctggggca cccgggcctt tgcggcagct actggcaggg cctggccacc 60
 tcataggact cagttccctt ctgaacactc gggggacatg ggccctctaac tgcccactct 120
 gatatgcctg ggtgagccta ggagggaagg ctctgatttg gatttctcca gtcaaagctc 180
 acagaaaaaa acctggcact ttgattttca tgggatggtc ctaacagggt cagtcacctc 240
 cgagcagttt gggaaccacg tttcttgtcc tgggccctca ggtcagcctg gctgaattag 300
 gacccttcct tggcacaggg gtgagaaaga gcttggggaa cgcttggcat tatggagggc 360
 tggaaggggc tcaaccccga tttggagaga agtttgggat ggagtgggcg agagattgag 420
 agagcgagca ggaaaagagg tcttggagcc tgggactgat ggtggataag gcctggaaag 480
 aasatgacsa ggaggaggag agagggaagt ggggtggatga ggagcaggct ga 532

<210> 61
 <211> 466
 <212> DNA
 <213> Homo sapiens

<400> 61
 gcgacggcga cgtctctttt gactaaaaga cagtgtccag tgctccagcc taggagtcta 60
 cggggaccgc ctcccgcgcc gccaccatgc ccaacttctc tggcaactgg aaaatcatcc 120
 gatcggaaaa cttcgaggaa ttgctcaaag tgctgggggt gaatgtgatg ctgaggaaga 180
 ttgctgtggc tgcagcgtcc aagccagcag tggagatcaa acaggaggga gacactttct 240
 acatcaaaac ctccaccacc gtgcgcacca cagagattaa cttcaagggt ggggaggagt 300
 ttgaggagca gactgtggat gggaggccct gtaagagcct ggtgaaatgg gagagtgaga 360
 ataaaatggc ctgtgagcag aagctcctga agggagaggg cccaagacc tcgtggacca 420
 gagaactgac caacgatggg gaactgatcc tgaccatgac ggcgga 466

<400>	64						
cacctmctcc	cscchwggcgc	ttwctcsgac	gccttgccca	scgggccgcc	cgacccccctg	60	
srccatggac	cccgcctgcc	csctggggmt	gtygatketg	ctgcttttcc	tgrckgaggc	120	
tgcactgggc	gatgctgate	argagccaac	aggaaataac	rcggagatct	gkctcctgcc	180	
cctagactac	kgaccctgcc	kggccctact	tytccgytac	tactacgaca	ggyacacgca	240	
gagctgccgc	cwggttctgk	rckggggctg	crasggcaac	rccaacwatt	yctacacckg	300	
kgaggmttrc	gackatgctw	gstggargat	agaaaaagtt	cccaaasttt	gccggctgma	360	
agtgaatgag	gacnaccagg	gtgaggggta	cacagataag	tattttcttta	atctaakkwc	420	
catgacatgw	gaaaaattct	ttnncggtgg	gngtcaccgg	accggattga	gaacangttt	480	
gcagatgang	ctactgggat	gggctcctgc	rcacnaaaga	aantatca		528	

<210> 65
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 408
 <223> n = A,T,C or G

<400> 65
 kgaatgaasa acgaacgctg gaagtagaaa tagagcctgg ggtgagagac ggcattggagt 60
 acccctttat tggagaaggt gagcctcacg tggatgggga gcctggagat ttacggttcc 120
 gaatcaaagt tgtcaagcac ccaatatttg aaaggagagg agatgatttg tacacaaatg 180
 tgacagtctc attagttgag tcaactgggtg gctttgagat ggatattact cacttggatg 240
 gtcacaaggt acatatattcc cgggataaga tcaccaggcc aggagcgaag ctatggaaga 300
 aaggggaagg gctccccaac tttgacaaca acaatatcaa gggctctttg ataatacactt 360
 ttgatgtgga ttttccaaaa gaacagttaa cagaggaagc gagagaangt atcaaacagc 420
 tactgaaaca agggtcagtg cagaagggtat acaatggact gcaaggatat tgagagtgaa 480
 taaaattgga ctttggtttaa aataaagtga ataagcgata tttattatct gcaagggtttt 540
 ttttgtg 547

<210> 66
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 66
 ggggaggtct acgcttctag agcttgagcc agcggggcga ccctgcagtg gcaggactcg 60
 gcaccgcgcc ctccaccgcc ggttggtggc ctgcgtgaca gtttcctccc gtcgacatcg 120
 aaaggaagcc ggacgtgggc gggcagagag cttcatcgca gtaggaatgg cagcccccac 180
 tatgaaggaa agacaggtct gctggggggc ccgggatgag tactggaagt gtttagatga 240
 gaacttagag gatgcttctc aatgcaagaa gttaagaagc tctttcgaat caagttgtcc 300
 ccaacagtgg ataaaatatt ttgataaaag aagagactac ttaaaattca aagaaaaatt 360
 tgaagcagga caatttgagc cttcagaaac aactgcaaaa tcctaggctg ttcataaaga 420
 ttgaaagtat tctttctgga cattgaaaaa gctccactga ctatggaaca gtaatagttt 480
 gaatcatagt gaacatcaat acttggttccc tatatacgac acttgataat taaga 535

<210> 67
 <211> 527
 <212> DNA
 <213> Homo sapiens

<400> 67
 atttctgcc a ctttaattcaa acagtcatat gcaggctcgt taattttattt gtgctttttgt 60
 ttcattcttct acaaggccct cttagctcta aaacttgaca gtggaataag gaaatgtttt 120
 tccaaatctg cattgccggt gagatcctca acatcagcat gttgagatgg acctcaaccc 180
 cacctctaac cctgaaacac actactcgat attatcttag gtatgtttta gggtttagtt 240
 tgtaaaataa taattttattt ttgaaggaaa tataaaatat taaagagtaa taatagctat 300
 catttttttaa gattcaatct aaaacaatgg actctttttt tttccatttg tgatgtagat 360
 aagcaagaca attttgatca tgagtgggtga aaagaggatc aaacttgact attcttgcaa 420
 tggcagtgcca gcaacaagcc tttcattttac attaaattat aacttttcat tcatttcctaa 480
 accaaactta aaattctgct ttcctttgag tagaagggtat ttaactt 527

<210> 68
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 68
 gggaaacttc atggggtttcc tcactctgtca tgcgatgat tatatatgga tacattttaca 60
 aaaataaaaa gcgggaattt tcccttcgct tgaatattat ccctgtatat tgcagtgatg 120
 agagattttcc catattttcca tcagagtaat aaatataactt gctttaattc ttaagcataa 180
 gtaaacaatga tataaaaaata tatgctgaat tacttggtgaa gaatgcattt aaagctattt 240
 taaatgtgtt tttattttgta agacattact tattaagaaa ttgggtatta tgcttactgt 300
 tctaactctgg tggtaaagggt attcttaaga atttgcagggt actacagatt ttcaaaactg 360
 aatgagagaa aattgtataa ccatcctgct gwtcctttag tgcaatacaa taaaactctg 420
 aaattaaaac t 431

<210> 69
 <211> 399
 <212> DNA
 <213> Homo sapiens

<400> 69
 gacacggcgg acacacacaa acacagaacc acacagccag tcccaggagc ccagtaatgg 60
 agagccccaa aaagaagaac cagcagctga aagtcgggat cctacacctg ggcagcagac 120
 agaagaagat caggatacag ctgagatccc agtgcgcgac atggaagggtg atctgcaaga 180
 gctgcatcag tcaaacaccg gggataaatc tggatttggg ttccggcgctc aagggtgaaga 240
 taatacctaa agaggaacac tgtaaaatgc cagaagcagg tgaagagcaa ccacaagttt 300
 aaatgaagac aagctgaaac aacgcaagct ggttttatat tagatatattg acttaaacta 360
 tctcaataaa gttttgcagc tttcaccaar aaaaaaaaaa 399

<210> 70
 <211> 479
 <212> DNA
 <213> Homo sapiens

<400> 70
 cgcggcggag ctgtgagccg gcgactcggg tccctgaggt ctggattcct tctccgctac 60
 tgagacacgg cggacacaca caaacacaga accacacagc cagtcccagg agcccagtaa 120
 tggagagccc caaaaagaag aaccagcagc tgaaagtcgg gatcctacac ctgggcagca 180
 gacagaagaa gatcaggata cagctgagat cccagggtgct ggggaaggga atgcgcgaca 240
 tggaagggtga tctgcaagag ctgcatcagt caaacaccgg ggataaatct ggatttgggt 300
 tccggcgtca aggtgaagat aatacctaaa gaggaacact gtaaaatgcc agaagcaggt 360
 gaagagcaac cacaagttta aatgaagaca agctgaaaca acgcaagctg gttttatatt 420
 aggatatttg acttaaacta tctcaataaa gttttgcagc tttcaccaaa aaaaaaaaaa 479

<210> 71
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 71
 ctcagcggct gccaacagat catgagccat cagctcctct ggggccagct ataggacaac 60
 agaactctca ccaaaggacc agacacagtg rgcaccatgg gacagtgtcg gtcagccaac 120
 gcagaggatg ctcaggaatt cagtgatgtg gagagggcca ttgagaccct catcaagaac 180

tttcaccagt actccgtgga ggggtgggaag gagacgctga ccccttctga gctacgggac 240
 ctggtcaccc agcagctgcc ccattctcatg ccgagcaact gtggcctgga agagaaaatt 300
 gccaacctgg gcagctgcaa tgactctaaa ctggagttca ggagtttctg ggagctgatt 360
 ggagaagcgg ccaagagtgt gaagctggag aggcctgtcc gggggcactg agaactccct 420
 ctggaattct tgggggg 437

<210> 72

<211> 561

<212> DNA

<213> Homo sapiens

<400> 72

ggatggtata ctgtaaattc agcatatgga gataccatta tcataccttg ccgacttgac 60
 gtacctcaga atctcatgtt tggcaaattg aaatatgaaa agcccgatgg ctccccagta 120
 ttatttgect tcagatcctc taaaagaaa agtgtgcagt acgacgatgt accagaatac 180
 aaagacagat tgaacctctc agaaaactac actttgtcta tcagtaatgc aaggatcagt 240
 gatgaaaaga gatttgtgtg catgctagta actgaggaca acgtgtttga ggcacctaca 300
 atagtcaagg tgttcaagca accatctaaa cctgaaattg taagcaaagc actgtttctc 360
 gaaacagagc agctaaaaaa gttgggtgac tgcatttcag aagacagtta tccagatggc 420
 aatatcacat ggtacaggaa tggaaaagtg ctacatcccc ttgaaggagc ggtggtcata 480
 atttttaaaa aggaaatgga ccagtgact cagctctata ccatgacttc caccctggag 540
 tacaagacaa ccaaggctga c 561

<210> 73

<211> 916

<212> DNA

<213> Homo sapiens

<400> 73

ggagaaaata aggtggagtc ctacttgttt aaaaaatatg tatctaagaa tgttctaggg 60
 cactctggga acctataaag gcaggatattt cgggccctcc tcttcaggaa tcttcctgaa 120
 gacatggccc agtcgaaggc ccaggatggc ttttgctgcg gcccctggg gtaggaggga 180
 cagagagaca gggagagtca gcctccacat tcagaggcat cacaagtaat ggcacaattc 240
 ttcggatgac tgcagaaaat agtgttttgt agttcaacaa ctcaagacga agcttatttc 300
 tgaggataag ctcttttaaag gcaaagcttt attttcatct ctcatctttt gtcctcctta 360
 gcacaatgta aaaaagaata gtaatatcag aacaggaagg aggaatggct tgctggggag 420
 cccatccagg aactggggag cacatagaga ttcacccatg tttgttgaac ttagagtcac 480
 tctcatgctt ttctttataa ttcacacata tatgcagaga agatatgttc ttgttaacat 540
 tgtatacaac atagccccaa atatagtaag atctatacta gataatccta gatgaaatgt 600
 tagagatgct atatgatata actgtggcca tgactgagga aaggagctca cgcccagaga 660
 ctgggctgct ctcccggagg ccaaaccxaa gaaggtctgg caaagtcagg ctccaggaga 720
 ctctgccctg ctgcagacct cgggtgtggac acacgctgca tagagctctc cttgaaaaca 780
 gaggggtctc aagacattct gcctacctat tagcttttct ttattttttt aacttttttg 840
 ggggaaaagt atttttgaga agtttgtctt gcaatgtatt tataaatagt aaataaagtt 900
 ttaccatta aaaaaa 916

<210> 74

<211> 547

<212> DNA

<213> Homo sapiens

<400> 74

agtggcatta acttttagaa tttgggctgg tgagattaat tttttttaat atcccagcta 60
 gagatatggc ctttaactga cctaaagagg tgtgttgtga tttaattttt tcccgttcct 120

```
<210> 75
<211> 793
<212> DNA
<213> Homo sapiens
```

```
<210> 76
<211> 461
<212> DNA
<213> Homo sapiens
```

```
<210> 77
<211> 642
<212> DNA
<213> Homo sapiens
```

```
<400> 77
ggttgccacga aacacactgg ggaatggagc aaaacagtct ttgaatatcg aacacgcaag 60
gctgtgagac tacctattgt agatattgca cctatgaca ttggtggtcc tgatcaagaa 120
tttqgtgtgq acgttqgccc tqtttgcttt ttataaacca aactctatct gaaatcccaa 180
```


caaaaaaaat ttaactccat atgtgttcct cttgtttctaa tcttgtcaac cagtgcaggt 240
 gaccgacaaa attccagtta tttattttcca aaatgttttg aaacagtata atttgacaaa 300
 gaaaaatgat acttctcttt ttttgctggt ccaccaata caattcaaat gctttttgtt 360
 ttattttttt accaattcca atttcaaaaat gtctcaatgg tgctataata aataaacttc 420
 aacactcttt atgataacaa aaaaaarawa wattctttga atcctagccc atctgcagag 480
 caatgactgt gctcaccagt aaaagataac ctttctttct gaaatagtca aatacgaaat 540
 tagaaaagcc ctccctattt taactacctc aactggtcag aaacacagat tgtattctat 600
 gagtcccaga agatgaaaaa aattttatac gttgataaaa ct 642

<210> 78

<211> 519

<212> DNA

<213> Homo sapiens

<400> 78

gcagaagaag aagcggacct tccgcaagtt cacctaccgc ggcggtggacc tcgaccagct 60
 gctggacatg tcctacgagc agctgatgca gctgtacagt gcgcgccagc ggcggcggct 120
 gaaccggggc ctgcgggcga agcagcactc cctgctgaag cgcttgcgca aggccaagaa 180
 ggaggcgccg cccatggaga agccggaagt ggtgaagacg cacctgcggg acatgatcat 240
 cctacccgag atgggtgggca gcatgggtggg cgtctacaac ggcaagacct tcaaccaggt 300
 ggagatcaag cccgagatga tcggccacta cctggggcgag ttctccatca cctacaagcc 360
 cgtaaagcat ggccggcccg gcatcggggc caccactcc tcccgttca tccctctcaa 420
 gtaatggctc agctaataaa aggcgccat gactccaaaa aaaaaaaaaa aagggcggcc 480
 gccaccgcgg gggagctcca cttttgttcc ctttaatga 519

<210> 79

<211> 526

<212> DNA

<213> Homo sapiens

<400> 79

gtctggaggg ggtgtcctct ccgccctgtc gggtcctgga tgagtacgag ttatggtcac 60
 ggtcacagcc tgatctctta tgtgttcata gccattcgct ctcccatcag aactgtttgt 120
 cctgaatgtg ttctcttagt tctagaaaat gaccactaat ttaaaaaact cggttgtgag 180
 gtttgcccag aggcacttgt tccagaattt cccctcctgc ttcagccatg tccttgtcac 240
 ttggcattct aagctaaagc tttagcttcc caattcgtga tgtgctaggc caagattcgg 300
 gagctgttgc cagcctcgtc aaatatggaa gagaaacaac ctgcgggtcaa aaggagtgta 360
 tttgttaagt ggtgcgcgtc tatctcataa ctatgtgtac caaccaggga agggccaagg 420
 atggaaaagg gtaacttttg tgcttccaaa gtagctaagc agaagtgggg gagcagttta 480
 gccagatgat ctttgattag gcaaacattg agttttaaag aggctg 526

<210> 80

<211> 281

<212> DNA

<213> Homo sapiens

<400> 80

gttatattag tgggtagtgt aacattttat ccaggttggg gtgaggggag atggccacag 60
 tagcaagtgg tgacactaaa taccattttg aaggctgatg tgtatataca tcattactgt 120
 ccgtagcaat gaaggataca gtactgtgtt gtgggtgagt gttgctattg cccagcatta 180
 atatttggtt gtgtatgttt gaggctatga aacacgcagg agtgtttttg tgctattaat 240
 tttaagagaa agcagctttt tcttaaaatt cactgttgag a 281

<210> 81

<211> 405
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 219, 230, 261, 306
 <223> n = A,T,C or G

<400> 81
 gtgggtggga ggcggtgctg ttgggagttg cttggagggtt ggccggcgcg ggctgaaggc 60
 tagcaaaccg agcgatcatg tcgcacaaac aaattttacta ttcggacaaa tacgacsacg 120
 aggagtttga statcgacat gtcagtctgc ccaaggacat akccaasctg gtcacctaaaa 180
 cccatctgat gtctgaatct gaatggagga atcttggcng ttcagmagan tcagggatgg 240
 gtccattata tgatccatga nccagaacct cdcattctgc tgttccggcg scccacttac 300
 cccaanaaac caamgaaatg aaccttgggt actacttttc aatcctcaaa kcttttcaca 360
 vhtgaccttc cttcctaaca ttctttmtga taaacattta ttaag 405

<210> 82
 <211> 547
 <212> DNA
 <213> Homo sapiens

<400> 82
 tagtttttaa gaagaaattt tttttggcct atgaaattgt taaacctgga acatgacatt 60
 gttaatcata taataatgat tcttaaatgc tgtatggttt attatttaaa tgggttaaagc 120
 catttacata atatagaaag atatgcatat atctagaagg tatgtggcat ttatttgat 180
 aaaattctca attcagagaa atcatctgat gtttctatag tcactttgcc agctcaaaag 240
 aaaacaatac cctatgtagt tgtggaagtt tatgctaata ttgtgtaact gatattaaac 300
 ctaaatgttc tgcctaccct gttgggtataa agatattttg agcagactgt aaacaagaaa 360
 aaaaaaatca tgcattctta gcaaaattgc ctagtatgtt aatttgctca aaatacaatg 420
 tttgatttta tgcactttgt cgctattaac atcctttttt tcatgtagat ttcaataatt 480
 gagtaatttt agaagcatta ttttaggaat atatagtkgt cacagtaaat atcttgtttt 540
 ttctatg 547

<210> 83
 <211> 529
 <212> DNA
 <213> Homo sapiens

<400> 83
 ctattctaag agatgctctt agtgatcttg cattacactt tctgaataaa atgaagatca 60
 tgggtgattaa ggatattgaa agagaagaca ttgaattcat ttgtaagaca attggaacca 120
 agccagttgc tcatattgac caattttactg ctgacatgct gggttctgct gagttagctg 180
 aggaggtcaa tttaaatggg tctggcaaac tgctcaagat tacaggctgt gccagccctg 240
 gaaaaacagt tacaattggt gttcgtgggt ctaacaaact ggtgattgaa gaagctgagc 300
 gctccattca tgatgcccta tgtgttattc gttgttttagt gaagaagagg gctcttattg 360
 caggaggtgg tgctccagaa atagagttgg ccctacgatt aactgaatat tcacgaacac 420
 tgagtgggat ggaatcctac tgcgttcgtg cttttgcaga tgctatggag gtcattccat 480
 ctacactagc tgaaaatgcc cggcctgaat cccatttcta cagtaacag 529

<210> 84
 <211> 527
 <212> DNA

<213> Homo sapiens

<400> 84

```

cccatcacca gaatcccttc atgggagggga tggatgcctg ttgaaactca ctgacctatt 60
ggactgacgc tgggggtggta tcttcatcag agctattgta agtcatccaa aaggcttctg 120
acgaaagaac aatTTTTTaaa aagtcctctt tttcaatcaa gccaatgtcc tattttattt 180
ctaaaagttt tgggactcgt gctgttatca agtacaatga aaatggcttt ataaatagct 240
gttttgacat tgtgatagaa ggcttgaata cggaggaaag atgtcgctgg agctagtcct 300
gagttccgac tgtccctgtg gtgggaatcc agtctgggaa agcaggactg ttttagcaaa 360
cgtgtactcg ttctataaaa atggaatctg ttctgcaggt taccgtccct ccccgcccaa 420
gcatcccctc tgtcctgtct ctctgctgct gggacccagg gcttttttcag ctgcagaacc 480
cactggactt ccaggaatca aggaaaaagt ggaaatgtcc aactgtg 527

```

<210> 85

<211> 401

<212> DNA

<213> Homo sapiens

<400> 85

```

cagtgtggtg gaattcccaa gatagaaatg aaaaactctt ttatagagtg ctgacatctg 60
acattgagaa attcatgcct attgtttata ctcccactgt gggctctggct tgccaacaat 120
atagtttggt gtttcggaag ccaagaggtc tctttattac tatccacgat cgagggcata 180
ttgcttcagt tctcaatgca tggccagaag atgtcatcaa ggccattgtg gtgactgatg 240
gagagcgtat tcttggcttg ggagaccttg gctgtaatgg aatgggcatc cctgtgggta 300
aattggctct atatacagct tgcggaggga tgaatcctca agaatgtctg cctgtcattc 360
tggatgtggg aaccgaaaat gaggagttac ttaaagatcc a 401

```

<210> 86

<211> 547

<212> DNA

<213> Homo sapiens

<400> 86

```

gaagcctctt gtgttttgtt gcagagaagt atatgatcca ccatgctaata gacacttgcc 60
tttttttcca ccattaaggc tttaagaaca tgtggaataa gtttttttagc tgctaatagac 120
aaaacaaatc ctgtaactac ccagccagca agtatatagc acagaacact gtgttacttt 180
acaagggctt atgtgactgg aataagggtg tcccacttga ctgttccaaa gagcagcttc 240
tcagatcttc agtgttctact ggtaaatttc taacagtgtg tttgtgtaaa gtttgtcatt 300
tcatactcca tacactacag ttgctgtcac tgatccctgt tttgctggct tttaagctac 360
ttgggtcaaaa atcctgcttc cttaaaacat agagaattaa tgagcatctc aagctttttc 420
ttttcctttt taatgatgcc tgcactatca agagtattct agtgttctct ctttgttttg 480
catataatca tgcaccaaac tttttatttc tttaagggtg gagtatattt ttatttccta 540
aatgcca 547

```

<210> 87

<211> 530

<212> DNA

<213> Homo sapiens

<400> 87

```

atggattcga aataccagkg tgtgaagctg aatgatggtc acttcatgcc tgtcctggga 60
tttggcacct atgcgcctgc agaggttcct aaaagtaaag ctctagaggc cgtcaaattg 120
gcaatagaag ccgggttcca ccatattgat tctgcacatg tttacaataa tgaggagcag 180
gttggactgg ccatccgaag caagattgca gatggcagtg tgaagagaga agacatattc 240

```

tacacttcaa agctttggag caattcccat cgaccagagt tgggccgacc agccttggaa 300
 aggtcactga aaaatcttca attggactat gttgacctct atcttattca ttttccagt 360
 tctgtaaagc caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac 420
 acagtggatc tctgtgccac rtgggaggcc atggagaagt gtaaagatgc aggattggcc 480
 aagtcacatcg ggggtgtccaa cttcaaccac aggctgctgg agatgatcct 530

<210> 88

<211> 529

<212> DNA

<213> Homo sapiens

<400> 88

acctgagcta agaaggataa ttgtcttttg gtaactaggt ctacagggtt acatttttct 60
 gtgttacact caaggataaa ggcaaaatca attttgtaat ttgttttagaa gccagagttt 120
 atcttttcta taagtttaca gcctttttct tatatataca gttattgcca cctttgtgaa 180
 catggcaagg gactttttta caatttttat tttattttct agtaccagcc taggaattcg 240
 gttagtactc atttgtattc actgtcactt tttctcatgt tctaattata aatgaccaa 300
 atcaagattg ctcaaaaggg taaatgatag ccacagtatt gctccctaaa atatgcataa 360
 agtagaaatt cactgccttc cctcctgtc catgaccttg ggcacaggga agttctgggtg 420
 tcatagatat cccgttttgt gaggtagagc tgtgcattaa acttgcacat gactggaacg 480
 aagtatgagt gcaactcaaa tgtgttgaag atactgcagt catttttgt 529

<210> 89

<211> 547

<212> DNA

<213> Homo sapiens

<400> 89

gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaag 60
 cacacaagggt tatgattttt ttaattactg gcttctgatt tctttcactt ctgacccctt 120
 tcctttttct cagatgtagc tgagtcttga tcatttttaag acaacgatgg gtagaatttt 180
 gagattaatg ttaattttcc ctttttggtta atttcagtc cctctcacta tgcttttggtc 240
 cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat gttaaataaa 300
 ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaataata 360
 acattaactt tcctataaga atattttggc tttgtaattc atagcctcaa attggtattt 420
 attatggatt cactagacaa acagctgttt ccttattgtc ttttttcttt agtgtttctg 480
 atttgctatc agtagctgtt tttaaagcca tccaaggaaa ataattattt acagtttttg 540
 aagtcac 547

<210> 90

<211> 528

<212> DNA

<213> Homo sapiens

<400> 90

gagcagcaga agctgtacag caagatgatc gtggggaacc acaaggacag gagccgctcc 60
 tgagcctgcc tccagctggc tggggccacc gtgcggggtg ccaacgggct cagagctgga 120
 gttgcgcgcg ccgccccac tgcgtgtgtc tttccagact ccagggctcc ccgggctgct 180
 ctggatccca ggactccggc tttcgccgag ccgcagcggg atccctgtgc acccggcgca 240
 gcctaccctt ggtggtctaa acggatgctg ctgggtgttg cgaccagga cgagatgcct 300
 tgtttctttt acaataagtt gttggaggaa tgccattaaa gtgaactccc cacctttgca 360
 cgctgtgcgg gctgagtggg tggggagatg tggccatggt cttgtgctag agatggcggg 420
 acaagagtct gttatgcaag cccgtgtgcc agggatgtgc tgggggcggc caccgctct 480
 ccaggaaagg cacagctgag gcactgtggc tggcttcggc ctcaacat 528

<210> 91
 <211> 547
 <212> DNA
 <213> Homo sapiens

<400> 91
 atataccatt taatacattt acacttttctt atttaagaag atattgaatg caaaataatt 60
 gacatataga actttacaaa catatgtcca aggactctaa attgagactc ttccacatgt 120
 acaatctcat catcctgaag cctataatga agaaaaagat ctagaaactg agttgtggag 180
 ctgactctaa tcaaattgtga tgattggaat taraccmttt ggscyttgra ccttymtwrg 240
 raaaawgrmc cmaccttttyt taacmtgrac cwccytmatc tctagaagct gggatggact 300
 tactatyctk gttwatattt taaatackga aagggtgctat gcttctgtta ttattccaag 360
 actggagata ggcagggcta aaaagggtatt attatttttc ctttaaatgat ggtgctaaaa 420
 ttcttcctat aaaattcctt aaaaataaag atggtttaat cactaccatt gtgaaaacat 480
 aactgttaga cttcccgttt ctgaaagaaa gagcatcggt ccaatgcttg ttcactgttc 540
 ctctgtc 547

<210> 92
 <211> 527
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 393, 502
 <223> n = A,T,C or G

<400> 92
 gctggctagt aggggaacat gtagtagcca agcccatgca ttgcagtgca cagagcaaca 60
 ttggggtaac aggatgggta cctgtcacgg cctgtgcaaa cataacatgt gtcaccacac 120
 tgaaggatat gtggaacaag tggcctcacc aaggtcggac cccaatggac tttttgcctc 180
 ttgggagctt atgggtctat gaggacacag tagcctttcc tatcagcaaa ctggagtgga 240
 tgttgtatct gggggtggcc ttatgtacct gctactgttc tccccacatt gccagatgc 300
 ctgtataact gggaggcact gkgctctcag tttttgcgaa tgtgatgagc cccctggtgt 360
 ttctaccctt ttggcaatga ctatccctgg agncatgtgt caaaactgta aagcacaatt 420
 tactgtctt tgcggagcac accgctcatg ctctgaatta cacctgaktg tccctcctcc 480
 wgktawtgaa tgaggttgat cnvatcagaa adgtggkggt ggcmata 527

<210> 93
 <211> 531
 <212> DNA
 <213> Homo sapiens

<400> 93
 ggtattcata cagccttctt aaaggcaatg ctttccacag gatttaagat accccagaaa 60
 ggcatcctga taggcatcca gcaatcattc cggccaagat tccttggtgt ggctgaacaa 120
 ttacacaatg aaggtttcaa gctgtttgcc acggaagcca catcagactg gctcaacgcc 180
 aacaatgtcc ctgccacccc agtggcatgg ccgtctcaag aaggacagaa tcccagcctc 240
 tcttccatca gaaaattgat tagagatggc agcattgacc tagtgattaa ctttcccaac 300
 aacaacacta aatttgtcca tgataattat gtgattcgga ggacagctgt tgatagtgga 360
 atccctctcc tactaattt tcagggtgacc aaactttttg ctgaagctgt gcagaaatct 420
 cgcaagggtg actccaagag tcttttccac tacaggcagt acagtgtgg aaaagcagca 480
 tagagatgca gacaccccag cccattattt aaatcaacct gagccacatg t 531

<210> 94
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 547
 <223> n = A,T,C or G

<400> 94
 gttaaacaatg gtctgcgtgc cttaaagagag acgcttcctg cagaacagga cctgactaca 60
 aagaatgttt ccattggaat tgttggtaaa gacttggagt ttacaatcta tgatgatgat 120
 gatgtgtctc cattcctgga aggtcttgaa gaaagaccac agagaaaggc acagcctgct 180
 caacctgctg atgaacctgc agaaaaggct gatgaaccaa tggaacatta agtgataagc 240
 cagtctatat atgtattatc aaatatgtaa gaatacaggc accacatact gatgacaata 300
 atctatactt tgaaccaaaa gttgcagagt ggtggaatgc tatgttttag gaatcagtcc 360
 agatgtgagt tttttccaag caacctcact gaaacctata taatggaata catttttctt 420
 tgaaaggggc tgtataatca ttttctagaa agtatgggta tctatactaa tgtttttata 480
 tgaagaacat aggtgtcttt gtgggttttaa agacaactgt gaaataaaat tgtttcaccg 540
 cctggtn 547

<210> 95
 <211> 1265
 <212> DNA
 <213> Homo sapiens

<400> 95
 gtgggtcaagc agtgattttt ctgggactgc agaagttcct gctgtgcccc acctttatta 60
 ctaactggga aagacccagg gagactggga tgggctcatg attctacata cagaactcat 120
 ccaagaaagg aggaaaagct gattttttgtg aacgtcgcta cttgtgcctg aactaactct 180
 caggcacatt agtcagaaaa tactacctat gggtactccc ccaggttcct aaaagtaaag 240
 ctttagaggc caccaaattg gcaattgaag ctggcttccg ccatattgat tctgctcatt 300
 tatacaataa tgaggagcag gttggactgg ccacccgaag caagattgca gatggcagtg 360
 tgaagagaga agacatatc tacacttcaa agctttgggt caattcccat cgaccagagt 420
 tgggtccgacc agccttgga aggtcactga aaaatcttca attggattat gttgacctct 480
 accttattca ttttccagt tctgtaaaagc cagggtgagga agtgatcccc aaagatgaaa 540
 atggaaaaat actatttgac acagtggatc tctgtgccac gtgggaggcc gtggagaagt 600
 gtaaagatgc aggattggcc aagtcacatc ggggtgtccaa cttcaaccgc aggcagctgg 660
 agatgatcct caacaagcca gggctcaagt acaagcctgt ctgcaaccag gtggaatgtc 720
 atccttactt caaccagaga aaactgctgg atttctgcaa gtcaaaaagac attgttctgg 780
 ttgcctatag tgctctggga tcccaccgag aagaacctat ggtggacccg aactccccgg 840
 tgctcttgga ggacccagtc ctttgtgcct tggcaaaaaa gcacaagcga accccagccc 900
 tgattgccct gcgctaccag ctrcagcgtg gggttgtggt cctggccaag agctacaatg 960
 agcagcgcac cagacagaac gtgcagggtt ttgagttcca gttgactgca gaggacatga 1020
 aagccataga tggcctaaac agaaatgtgc gatatttgac ccttgatatt tttgctggcc 1080
 cccctaatta tccattttct gatgaatatt aacatggagg gcattgcatg aggtctgcca 1140
 gaaggccctg cgtgtggatg gtgacacaga ggatggctct atgctggtga ctggacacat 1200
 cgctctggt taaatctctc ctgcttggtg atttcagcaa gctacagcaa agcccattgg 1260
 ccaga 1265

<210> 96
 <211> 568

<212> DNA
<213> Homo sapiens

<400> 96

```
ccagtgtggt ggaattcggg ttaattacaa aatttgatca cgatcatatt gtagtctctc 60
aaagtgtctt agaaattgtc agtggtttac atgaagtggc catgggtgtc tggagcacc 120
tgaaactgta tcaaagttgt acatatttcc aaacatTTTT aaaatgaaaa ggcactctcg 180
tgttctcctc actctgtgca ctttgcctgt ggtgtgacaa ggcattttaa gatgtttctg 240
gcattttctt tttatttgta aggtgggtgg aactatgggt attggctaga aatcctgagt 300
tttcaactgt atatatctat agtttgtaaa aagaacaaaa caaccgagac aaacccttga 360
tgctccttgc tcggcgttga ggctgtgggg aagatgcctt ttgggagagg ctgtagctca 420
gggcgtgcac tgtgaggctg gacctgttga ctctgcaggg ggcattccatt tagcttcagg 480
ttgtcttggt tctgtatata gtgacatagc attctgctgc catcttagct gtggacaaag 540
gggggtcagc tggcatgaga atattttt 568
```

<210> 97
<211> 546
<212> DNA
<213> Homo sapiens

<400> 97

```
ttgtaccgta tctgtaggca tcctgtaa atccaagg ggaaaactaa acgaggacgt 60
gggttgatc ctgccagggt gagtggggct cacacgctag ggtgagatgt cagaaagcgc 120
ttgtatttta aacaaccaa aagaattgta aggggtggct gctgccaggc ttgcactgcc 180
gttcctgggg gtgtgcatct tcgggaaagg tgggtggcgg gcgtccacta ggtttcctgt 240
ccctgctgc tccttccgta agaaaatgaa atattctatg cctaatactc acacgcaaca 300
tttcttgta tttgtaagtc gtttgcgaga atgcagacca cctcactaaa ctgtaaaccg 360
taaagagatt tttacttttg gtctccgtga gtcgcatctc tactaagggt tacacaggaa 420
ttccacctga agacttggtg taaagttcta cagcgcgcac tgtaactga acgtcttttt 480
cttcagccta tacgcggatc cttgttttga gctctcagaa tcactcagac aacattttgt 540
aactgc 546
```

<210> 98
<211> 547
<212> DNA
<213> Homo sapiens

<400> 98

```
tactgggtgc caagctatgt gccaggcact ttacatgtat tgatttaaca cttaacagcc 60
actctatatt attccctttt tacagatgag gcaatttaag ctcaaagcat ttaagtagac 120
aaccaacct gaatcacata gcaaatgaca gaagccagag gcctcccaag tctctctaac 180
tccaaacct atgcttactc tactatatca cactaccttg caataggaca aagggaatat 240
gtggtaaact atgttcccag catctaaaag ccaggagtgg ttttcatttt tctttaagaa 300
gatgatagtg tgatttgaaa catatctgaa tttcagaaga ggggactttt aaaaattgcc 360
actcataagg aaagaaagaa ctttttcaca tatttttgaa agaaacgatg gtgagaagat 420
attcttgata atagagatat gctaacattt gctttgggtg ttttgtaggt tagatttttt 480
tggtgtgtac tttataggct tgcattattgc ttacttttaa cagctgaagt tctaagtaag 540
agtgttc 547
```

<210> 99
<211> 122
<212> DNA
<213> Homo sapiens

tttttttaggt	ttttaaaactt	tttattttgca	tatttaaaaaa	attgtgcatt	ccaataatta	60
aaatcatttg	aacaaaaaaa	aatggcactc	tgattaaact	gcattacagc	ctgcaggaca	120
ccttgggcca	gcttggtttt	actctagatt	tcactgtcgt	cccaccccca	cttctttcac	180
cccacttttt	ccttcaccaa	catgcaaagt	ctttccttcc	ctgccaccca	gataatatag	240
acagatggga	aaggcaggcg	cggccttcgt	tgtcagtagt	tctttgatgt	gaaaggggca	300
gcacagtcat	ttaaacttga	t				321

<210> 104
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 104
 tttttttttt tttttatttt tttttttgca tcaaaaaact ttatttccat ttggcccaag 60
 gcttggttagg atagttaaaa aagctgccta ttggctggag ggagaggctt aggcaaaacc 120
 cctattactt tgcaaggggc ccttcaaaag tctctgggct tctatttcaa ccgcgatgat 180
 gtggctctgg aaggcgtgag ccactttttc cggaactgg ccaaggaaaa gcccgagggc 240
 tacaaccgtt tcctgaaaat gcaaaaccag cggggcggcc gcgctctttt ccaggacatc 300
 aaaaagcca 309

<210> 105
 <211> 591
 <212> DNA
 <213> Homo sapiens

<400> 105
 cttatttctg catgggtcgg agagtgggag ggactgcttt actgagttat agtgaatgta 60
 gttttaacct aagcgctca catgactaac tcctcatcca tcaagaatga gctcagctct 120
 cacttcccca ctctcacc ccctgtaaag taacctttct ccaaggttat gcttcaacag 180
 gaatagctaa catttattaa attgtggcac gtaagtatct tggatatatt ggctcattga 240
 atcctcacac ctactatttt acagagatgc cagtggggct tgagattgaa tcaactgccc 300
 aggcctccac tgctggtaaa cagtagaggg ggctcctgac ccatcagctt ggcttgacaa 360
 cccattccct caactgcgga tcccggatcc ccttatcacc ctggttgattt ctccataggc 420
 tgtggtaaca tttgttgcat gaatggaccg ttgaaatagg gcctggcagg gagaaattca 480
 ggaaatgaat gaatggttct tccctggcag cctttgatga cttacaagcc ccttcaaggg 540
 ggaaagccat ttttctccct gggaactcctt gaaagcccgg gagccctgcc t 591

<210> 106
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 106
 ctgccactcc tgccctctgct accccgaaac cggagaggga gctcaataat aacacaggtc 60
 ccactaaact aattaagggtg ttggcataac ctgtcattga attcaagtgt ccaacaactg 120
 tttgcttaaa atatcattag acctaatatt tttttcaaag gcacaaagtt taaacatggg 180
 gggggcgggt gttgagaggg gtctgggata cccttaaacc caaaaaagtg atttggtccc 240
 ccttgcccag aagggtgact gttccactgg gcctgtcacc acaggacatt ttccatgaca 300
 agcactcacc ttcttgggga aggggcatca gggtggcaca ggaaaggccc aagtgagggg 360
 ccactctgta cattaatact ttggtgatta atgtttgggg agaggcagga ttctcaccca 420
 cctttttgac ttcaaact ctcactcaag 450

<210> 107
 <211> 116
 <212> DNA
 <213> Homo sapiens

<400> 107
 tcgacgaaag ttactgtcac tcagttgtaa atccatcagc ttttcacctg ttaaaaattt 60
 tgcaaaatat acatgttctc ctctgtttt caattcttcc atcttttttc ttgagg 116

<210> 108
 <211> 291
 <212> DNA
 <213> Homo sapiens

<400> 108
 ctgctcgaag ttgtcaaaac ccacgtgcag ggcaatggag agtccgatgg ccgaccacag 60
 cgagtagcgt cctcccaccc aatcccagaa ctcgaaacatg ttttgagggg caattccaaa 120
 ctcccttcaact ttgggttggt tagtagacag ggcaacaaag tgcttcgcca ctgcagtagg 180
 atccttggcc gcctggagaa accactcctt cgccgtctct gcattcgtga tgggtctcctg 240
 ggtagtaaag gtcttgaggg caatgatgaa caggaggaggac tcgggggttca g 291

<210> 109
 <211> 662
 <212> DNA
 <213> Homo sapiens

<400> 109
 gctgtttcca cagtacgcct gcctcacacc ttgcgatgcg ccaacatcac catcattgag 60
 caccagaagt gtgagaacgc ctaccccggc aacatcacag acaccatggg gtgtgccagc 120
 gtgcaggaag ggggcaagga ctccctgccag ggtgactccg ggggccctct ggtctgtaac 180
 cagtctcttc aaggcattat ctccctggggc caggatccgt gtgcgatcac ccgaaagcct 240
 ggtgtctaca cgaaagtctg caaatatgtg gactggatcc aggagacgat gaagaacaat 300
 tagactggac ccacccacca cagcccatca ccctccattt ccacttgggtg tttgggttcct 360
 gttcactctg ttaataagaa accctaagcc aagaccctct acgaacattc tttgggcctc 420
 ctggactaca ggagatgctg tcaacttaata atcaacctgg ggttcgaaat cagtgaagacc 480
 tggattcaaa ttctgccttg aaatattgtg actctgggaa tgacaacacc tggtttggtc 540
 tctgttgat cccagcccc aaaagacagc tccctggacct tgccccgggg cgccccgctc 600
 ggaaaggggg cgaaatttct tcaagaatat ttccatttcc acaaacttgg ggccgggggc 660
 cc 662

<210> 110
 <211> 323
 <212> DNA
 <213> Homo sapiens

<400> 110
 tcctgtgaaa cagcccattht tcctacctac tgtgggttgc tgctcaggag gaacgatata 60
 cgccaatata agcaggaaat ctgcagctcc tctgctatgt gcctcagaac actttcaatt 120
 tttctgggtca atgctctgat taggtatcat acataaaagc cagcatatta gtttaaattct 180
 ctaacaaaaa actatatttt ccaaagtcac tatcatttgg gccaatataag tgatcttttc 240
 gtgctttgtt gagcttcac tttaggggcat ctcttcttcc ttccatttca tgaagtccg 300
 catttccatg tgcaaattta cag 323

<210> 111
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 111
 tccagtgcgc tccagcctta tctaggaaag gaggagtggg tgtagccgtg cagcaagatt 60
 ggggcctccc ccatcccagc ttctccacca tcccagcaag tcaggatata agacagtcct 120
 cccctgaccc tcccccttgt agatatcaat tctaaacag agccaaatac tctatatcta 180
 tagtcacagc cctgtacagc atttttcata agttatatag taaatgggtc gcatgatttg 240

tgcttctagt gctctcattt ggaaatgagg caggcttctt ctatgaaatg taaagaaaga 300
aaccactttg tatatatttgt aataccacct ctgtgg 336

<210> 112
<211> 218
<212> DNA
<213> Homo sapiens

<400> 112
tttttttttt tttttttttt tccagtcagg agtattttta atcactgtct acagagacac 60
ctacatacac acacgggtgg ggaatgaacc caaagttttt aggtgaagtc tctcagggcc 120
caccctgtgc cacagacctt cctcgggtgc agagattctg ggcaaagcat ccgtgctctc 180
atgagattat cctggggaga tttagaagaa ttttgtgg 218

<210> 113
<211> 533
<212> DNA
<213> Homo sapiens

<400> 113
ctgcaccgac agttgcatg aaagtcttaa tctcttccct cctcctgttg ctgccactaa 60
tgctgatgtc catggtctct agcagcctga atccaggggt cgccagaggc cacagggacc 120
gaggccaggc ttctaggaga tggctccaga aaggcggcca agaattgtgag tgcaaagatt 180
ggttcctgag agccccgaga agaaaattca tgacagtgtc tgggctgcc aagaagcagt 240
gccctgtga tcatctcaag ggcaatgtga agaaaacaag acaccaagg caccacagaa 300
agccaaacaa gcatcccaga gcctgccagc aatttctcaa acaatgtcag ctaagaagct 360
ttgctctgcc tttgtaggag ctctgagcgc ccactcttcc aattaaacat tctcagccaa 420
gaagacagtg agcacacctt ccagacactc ttcttctccc acctcactct cccactgtac 480
ccacccttaa atcattccag tgctctcaaa aagcatgttt ttcaagatct aaa 533

<210> 114
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 43
<223> n = A,T,C or G

<400> 114
ccatatctgc tcggcgctac ttctttcttg gattgatcct gantgatgca ttggcgatgc 60
ctttggagaa ggacatgtga tgtgatggtc ttcacgttcc acatgtactc gggcaaatag 120
ggggacaaac tgaagttaaa caggctcgaaa cttagaggagc tgctgacctt ggagctgacc 180
actttcttgg ggaaaaggac acatgaaggt gctttgcaaa agctgatgag caatctggac 240
accaacatag gacaacaacg t 261

<210> 115
<211> 267
<212> DNA
<213> Homo sapiens

<400> 115
cctctcctgt gggttccaga ccctgttcca gcaacaattg ctgggacacc tggggccgact 60

gctccacctc gccaggccct ggccctctcc atctcagccc tgacagccac ccagtgataa 120
 acacagcagg cttcctaagc aatgtgacgc accagagggg tgggtggtaca cgttcccctt 180
 gaagtcattc gaaaattaga gaacagattt gcctcatagc tgaagagaga ccctattcca 240
 agcatgaatg gccttgacaa tgttcct 267

<210> 116
 <211> 239
 <212> DNA
 <213> Homo sapiens

<400> 116
 ctgatgacct ggggtctagt gaaaatgcag ggtcagattc agtgggtctg gggctctgaat 60
 ctctaaggcg ctgccaagtg atgctgatgc tcctggcttg tggaccaccc tgtgtatagc 120
 aaagctctag actaggaggt ctcaaccttg gctgcacaga attatctggg gagtttttaa 180
 atttcccagt gcccaggctg cattcatatc atagtagaga cagggttttg ccatgctgg 239

<210> 117
 <211> 168
 <212> DNA
 <213> Homo sapiens

<400> 117
 aaaaaacttt tatattgctg catcttccac agttcttttg gtagtctctg aacttaaaat 60
 ttgtaggagt tgtagactac ctaaattttt aagttatgga tttgttcata ggttgtaggg 120
 gtaggtaaag aaggaaacag acaagaaaat ggcttcttga ggtggcag 168

<210> 118
 <211> 150
 <212> DNA
 <213> Homo sapiens

<400> 118
 aaaaaaaga gtttatttag aaagtatcat agtgtaaaca aacaaattgt accactttga 60
 ttttcttgga atacaagact cgtgatgcaa agctgaagtg tgtgtacaag actcttgaca 120
 gttgtgcttc tctaggaggt tgggtttttt 150

<210> 119
 <211> 154
 <212> DNA
 <213> Homo sapiens

<400> 119
 aaactgtgtg agatattaac cagccgccct gttataaaat caggaaatcc aaacagcgat 60
 ttacaccgat taacaccccc ttttatattt tttcaaatac actgagaaaa taatcaaacg 120
 ttttcatctc tcttgtcttt ttttggtttt tcct 154

<210> 120
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 120
 ctgcgtggag tgacgggagg agggaatcac tgtgtgtgag agagtgtctc agactcaatt 60
 tccaaaataa ttttcacccc tctaagcatg taaattcaaa gatggatcct tcatagaaat 120

taaaaaaatca atttgagctc atttcgaata cagaacaagt atggcacaga tggaagtcct 180
gccacgtttc ctttaaatgat gctgactctt gtatcacaca ggccagcatg aagtttctta 240
ctcagacttt acaggcattt tccgtaattc aatcagtcct gctcccagca caacacagga 300
ggtgattcga gaat 314

<210> 121

<211> 601

<212> DNA

<213> Homo sapiens

<400> 121

aaaaaaaaacc taattcattg aagtaataac caaataattt tcaatcttga ttcaactgtg 60
attcaaatct tacaccattt gccccttcta tgaatttatg tataaaattt tttaagagtc 120
agagtttttt tttcttgatt aattggatgt atttcacaga atttccaact gctcacgtta 180
gttttcttcc ttttagagtt gatctctcta atgtattaga tcttcatgcc tttgatagtc 240
tctctggaat aagtttgcag aaaaaacttc agcatgtgcc aggaacacaa cctcaccttg 300
atcagagtat tgtacaatca catttgacgt accaggaaat gcaaaggaag aacatcttaa 360
tatgttttatt cagaatcttc tgtgggaaaa gaatgtgaga aacaaggaca atcactgcat 420
ggaggtcata aggctgaagg gattgggtgc aatcaacgac aaatcacac aagtgattgt 480
ccagggtgtc catgagctct gtgatctgga ggagactcca gtgagctgga aggatgacac 540
tgagagaaca aatcgattgg tcctcattgg cagaaattta gataaggata tccttaaaca 600
g 601

<210> 122

<211> 486

<212> DNA

<213> Homo sapiens

<400> 122

ctgttttctaa ttgcttttgt gactgttacc ttttagttca tgccccccca aagagctaaa 60
tttcacattt ttacctacaa aattgatttt taattcctgc aaataattta ccattatgag 120
ctacaagggtg ggcaacagcg cctgaggatc taattttatg catattactc ccaagtattt 180
taacacttgt tggagaagca atatctggat caataaaaca ctgtcccatc aaccatttga 240
gtggggagag ggagaagctc ttctgtaagt aagattcttg caagctcttt gaaatgagtc 300
ttctttccca cagattttct ctactcttcc aatacaaaaca gataggagaa gagggaaatag 360
aaacctggag gaacttgaat atttttgttc tagatagaga tacagttatt gaaaaggaaa 420
cctagaaagt agtcacacgt cgcttattta ggccagaagt aattgtactg ggcaaaaatt 480
tcactt 486

<210> 123

<211> 239

<212> DNA

<213> Homo sapiens

<400> 123

ctgggtgggtc tttttttcct ctcagagctc aagcctgtag tgcctgatgt catttctttc 60
aagttgcca cagtatctcc acttaaaacta ggctagtaac caaaataatg tggaccttct 120
ttaggaaaca gtgtgggaga ataggagtcc agccgtaaga taaactggaa atatttgggc 180
gtcttgtacc tggctacgca ccacctcagt gttgttccta cataaacaag gcccctttt 239

<210> 124

<211> 610

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4, 12, 30, 73, 75
 <223> n = A,T,C or G

<400> 124
 ccaccaagt cnttgatgat cactgaccn cgcgcgcctg ctggaccaag gtggctgcgg 60
 ggaaatcgcc acngngcttt cggttttctt ggtgaaggaa tacaccgcgc cgacagcagg 120
 ttttcagtca gggtcaggga ctgttgcttg cgcgcgaaaa tcaccgggtac gccgagggttc 180
 aggccgggtca tgatcgccgg tgcaatgccc gaggcttcga tggtgacgat cttggtgatg 240
 cccgaatcct tgaacaacgc agcgaattca tcaccgatca gtttcatcag cgcggggtcg 300
 atctggtggt tcagaaaggc gtcgaccttg agtacctgat cggaaagcac gatgccttct 360
 tcgcgaattt tcttgtgcag tgcttccacg aaagcttcct ctgttggcgc aacacgcgcc 420
 gaaagtagat taaaaagtag tcgattctag cgctttaaca tcgcgcgtat atccgccagg 480
 gcggtattgc cgcgaacggc tttgacttcg gttggtgtgt cgtcgttgcc tteccatgcc 540
 aggtcatccg gcggcagttc gtcaaggaac cggctggggg cacaatcaat gatctcgccg 600
 tactgcttgc 610

<210> 125
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 125
 ctatagggct cgagcggccg cccggggcagg taaaaaatca gcccctaatt tctccatggt 60
 tacacttcaa tctgcaggct tcttaaagtg acagtatcct taacctgcca ccagtgtcca 120
 ccctccggcc cccgtcttgt aaaaagggga ggagaattag ccaaacactg taagctttta 180
 agaagaacaa agtttt 196

<210> 126
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 126
 aaattagtta aaaaaatgca ttcttcattt gatatagcca cattccaaat gcttaaaagc 60
 cgcattgtatc tagtgactac catactggag agtacaaata tagaacttta cccgtcactg 120
 cagacagttc tggttgattg tgcagcattg gacaatatat acagtttgcc tgtatatgag 180
 aaagagagag agagagagag tgtgtgtgtg tgtgtgtgtg tgaagtgcaa taaggctgac 240
 aggcac 247

<210> 127
 <211> 590
 <212> DNA
 <213> Homo sapiens

<400> 127
 cctccacggc atggcgcaat tggtgttcag gggccgccag gttgctgcc atgccgatgt 60
 agatacgttc cacgtgctta ctgcgcagac gcactcgaag cgtcgcgcagc gctacgtttg 120
 cgcttgctgc cactgctgcg gcgacgctt ttccgggcat cgcgggtggc ttcgcctttg 180
 ctgctgagct ctttgatcat ctgcgcggcg tggctgtcgt tggcgtcctg gtagtcggtc 240
 caccactcgc caaggccgct ggtctgttcg ccggcgcttt cacgcagcag caggaagtca 300
 tagcccgga cggaagcgcg ggttgtccag caacaggctc gcacgtttgc cgctgcggcg 360

tggcaggcgc tectgcatgt cccagatttc acggatcggc atggtgaagc gtttcgggat 420
 ggcgatgcgc tggcattgct cggcgatcag ctctgtgagca gcttcctgca tggctggaat 480
 tgccggcatg ccacggtctt gcaggcgcgc gacgcgtttc gaaagcgcgc gccacaacag 540
 ggcggcaaag aggaacgccg gggtgaccgc tttgttctgc ttgatgcgca 590

<210> 128
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 128
 ctgcccattg aaaccctcca ggagctgctg gacctgcaca ggaccagtga gagggaggcc 60
 attgaagtct tcatgaaaaa ctctttcaag gatgtaacca aagtttccag aaagaattgg 120
 agactctact agatgcaaaa cagaatgaca tttgtaaaac gaacctggaa gcatcctcgg 180
 attattgctc ggctttactt aaggatattt ttgggtccct agaagaagca gtgaagcagg 240
 gaatttattc taagccagga ggccataatc tcttcattca gaaaacagaa gaactgaagg 300
 caaagtacta tcgggagcct cggaaaggaa tacaggctga agaagttctg cagaaatatt 360
 t 361

<210> 129
 <211> 546
 <212> DNA
 <213> Homo sapiens

<400> 129
 aaaaatacaa attcagtaag acttttgctc taacaacaat ttttcaaaac gaatcaacaa 60
 caaaaaagta tccagtgttt ctctttcttat gaagatataa taaaacacag tattggtaag 120
 cacattttta cagtatgctt ttcttttgta gggaaaggag atatggctat gtctaaccatc 180
 gtgggatcca atgtgtttga tatgttgctg cttggtattc catggtttat taaaactgca 240
 tttataaatg gatcagctcc tgcagaagta aacagcagag gactaactta cataaccatc 300
 tctctcaaca tttcaattat ttttcttttt ttagcagttc acttcaatgg ctggaaacta 360
 gacagaaagt tgggaatagt ctgcctatta tcatacttgg ggcttgctac attatcagtt 420
 ctatatgaac ttggaattat tggaaataat aaaataaggg gctgtggagg ttgatattat 480
 taatagtgtt atgcagaaaa tatgaatggc agggaggggc agagagaaaa atccatttct 540
 tcattt 546

<210> 130
 <211> 733
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 611, 631, 668, 689
 <223> n = A,T,C or G

<400> 130
 ggggcctctt cctaaaggca ctaatcccat ccaatagggc ttaacctcat gacttaatca 60
 actttcaaag acaccacatc ctaatgccat cacatcagaa tttaggcttc aacatatgaa 120
 ttttgggggg acacaaacat tcacctcata gcattcattg tttcttggtt ttggcaaagc 180
 caagactcac attgtctaag ttatttgact tttgagtcgc cagatgtgaa aacagtgcta 240
 aacagtccag cttcatgagt ggagaacagc atttgtgaca accaccaag tacctctgtg 300
 gtcagtgtcc tcaaccaggg cacagcatca tggaccagag cctctgcagg gcacagagga 360
 gtggtgagga acaggggctc tggagcaacc ccacttcctt ctgctttgta tatggggggg 420

tctgcacatg actgcatttg aaaagggcct cactgcgctt gctgaaggag tgcacttgag 480
 ctagcggaga gttcccagag ggtgtctgga agaagcaaag gctattcttt gtttcactca 540
 gttatagatg gaagtcagac acttctgcct gaagtacttt cacacactcc acagtcttaa 600
 gaaggatgga naaagcatgc caactactca naaaaccaca ggtgttcaag caatggatc 660
 cttttatncc tacaactagt ggacaaagng gggcctctgt aatttgggaa agctaggaaa 720
 actttttctg ggg 733

<210> 131
 <211> 305
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 16, 19
 <223> n = A,T,C or G

<400> 131
 aaacacatac gaatanttna actgtgatta tgaagtgaca gccggctaaa tatgtcttgt 60
 attttctctc ttcctttttt tgctaactca tcctttattc cattcctgct tccatggtaa 120
 tgcaggctca aataaattac taggatacaa gattacttca agcctctttt ctgtggaact 180
 cataatatga taagcatttg ttacaagatt gcctgtagtt gtttagggga caaattatat 240
 tagggaaaga aagtctttct ttagttgggt aaattttcta ttataattgg gtactaaatt 300
 tatttt 305

<210> 132
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 132
 aaacaatgct acactcattt ttggcaaagt gctgtattgt tcagtctgtg tacaaaactg 60
 accatctatg aaccaatcag tataaaaaat ttctataaaa acaaaattta gacagcggct 120
 caagaaaaca agctgccatt tatgcataga ttgatgtaca gtaacctaac caaatgtccc 180
 ttttgaattt tcaagttact gaaaaaaaaat gtgtcgagaa acacattaag aaggcacatg 240
 tacagtctac aatactcttc agtctcccta actcatgccc tgcccctata aaggaaatat 300
 gttcacaatt ttacttgaga aaaaaaaaaa aagccactta aaaaaaaaaa aacacacacg 360
 caattattaa agttcaaaat ctctggagga aaatacaagc aaaaccactc atacactcca 420
 agcctgaaac acacatctaa cctccccagg tactggtttg gttttcagag gtccacctag 480
 aaaacaaatc taaaacttca ggcaaaacag agcaaaactg gacatttaac aattacacaa 540
 ttttt 545

<210> 133
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 36, 68
 <223> n = A,T,C or G

<400> 133
 aatatttatt actaatatct tataatgttt tgtggnacca tggcatacct tgggtactat 60

```

tgtaacanat agttcaggaa accctactat aagggtttatc aaatgggtctc ataaacagtt 120
acttattcaa gcacgccaaa gctcagtgaa aagtatTTTT cacccttact ctttctcgtg 180
tcattcaaag agaagttttg atgtagtgta tttatttgta gggagtaatg aacagatcca 240
tttcacagta gactttgtgc tctaggtgat gcagctaatt gccccagttt ggaaaacatg 300
gacttggatg aattgtcttt tgtttgggac 330

```

```

<210> 134
<211> 627
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 99
<223> n = A,T,C or G

```

```

<400> 134
aaatattact tcaaatacat tttaaagctc aacaaacttg tgttgaactg aattgcagat 60
cctgaactct atttgaaaat acatcatgaa acagaaaanc ccattccaaa tgaaaatgat 120
agtgctttgt tgggggtggg aatgaggcgg ggagactaaa tcactattaa cagacttctt 180
ttcccaatgc aatttgtcaa aagttcaaaa gttctgaaat gtactaaatc ttaagcaaat 240
taaattcatg atattactaa aactttttta atagtgcatt gacttatcaa gttatagtgg 300
ctgcattaag aacaaattat tgtgtgaaat acctgtataa acacaaaata caattaaata 360
tttctttaca aaaagctgag cattacgcct aatagtggaa tgtctttcat taggtgtatt 420
ttttaaagat taacaaaagt aacatttcct aaaatgtata catgtgccat atttttgcaa 480
acatgcctga gaatgtattt aaaacatttc tgtagtaaga gtttgcaaga acttcacaaa 540
cctgcaaata aatgcatctt ttttaaaaag gtgaaaatgg catctccaca ctgcaacaat 600
tcaaaaagtg cagcatccct aatctttt 627

```

```

<210> 135
<211> 277
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 45
<223> n = A,T,C or G

```

```

<400> 135
aaaatcaa atattatttg ttaaaaatca gcttgtttca ttacnggaaa ttacaccagt 60
ccgttctatt tactttcaaa ccataattcaa ctctcaact ttcaaactg taatcaacta 120
atttcaaaaag ggaaaaggta ccctttataa aggagagatc tgtaagaca ccaagaaatc 180
aaaattaata tcacttaata attaagtga taacacatgc ctcccaatac agtgcagtga 240
gaaacacaaa acatcaattc ccgcgtactc tgcgttg 277

```

```

<210> 136
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<400> 136
aaaacagaat gaattcattg ttacagttac agaagtcaga agcccaaata cagtctgcct 60
gaaccaaagc cagggtcagc aagggttcct tccactgttt tgccaacttc tagaggccac 120

```

```

ctgtattcct tggttcatgg cccctctctt catcatcaaa taatcagcat agctttatga 180
cattggcagc tctgattttg ctcttttgcc ttctctttat gtagaccctt gtaattacat 240
tgggtacacc cagataaccc caaataatct ccctatctca agattcttaa tgtaattata 300
ttgggaaagt cccttttgtc atataagata acatagcaat ggattccaag gattagtatg 360
tgagtttctt ttgaggggct ataattaacc ctaccacaat atggaaatgt ctattgtttt 420
tctatgtacc agaaataaga cattaggatg tgaaattaat aacataacac cacttacggc 480
atcacc                                         486

```

<210> 137

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 310

<223> n = A,T,C or G

<400> 137

```

ccatcttgca tcaaattgttc ttaaggcagt gactggctat caaccacagt ttctgtctcc 60
ccagttgcaa acacaggatc catgcaacag ttctgagacc atacacttag aaaccacagg 120
ggatgcggat caaatgcaga actcccaaact tataaaacag tcaggctaca ctcaaaacaa 180
aacatagaac atcaacaaca cacatctccc aaaaaagaag tgcaacgcat gcttgataa 240
accaacaata acaaaaaaac cacaataaaa aatgcagagt ctcccaaaca agttttcaaa 300
tgtattgcan aaagaaaaaa aatgtatata tatataaaat taaaaagtct gaaatactag 360
tgcatagtca attacctaac accaagtttc ttttctttct gtccaagctc tactgccct 420
ctgatactag cagcatgtct acaggctaag accatagcag caaaaaacgt ttttcatttg 480
gcatttacaa aattaaatta ctgaataaaa atataatttt ttataaaact atttcttaca 540
gtaataattt tt                                         552

```

<210> 138

<211> 231

<212> DNA

<213> Homo sapiens

<400> 138

```

aaattttact agtggttactt aatgtatatt ctaaaaagag aatgcagtaa ctaatgccct 60
aatgttttga tctctgtttg tcattacttt ttcaaaatat ttttttctgt aaagtataat 120
atataaaact tcttgcttaa attgaatttc tatattagtg gttaattgca gtttattaaa 180
gggatcatta tcagtaattt catagcaact gttctagtgt tttgtgtttt t                                         231

```

<210> 139

<211> 535

<212> DNA

<213> Homo sapiens

<400> 139

```

cagttgccaa ccctctgaac cgttttaggcc ggttcatcgc tgcctttgaa tctgggccgg 60
tggtgatccg gcaaggggtg aaaccaaaga gcgggggctg tgaggccctt cgcagtcctt 120
cgtaagtgcg tgcgatggag tgaactatca cgcacgtgtt ttatttcgtc aacacgaaat 180
gtgatttatt tttgcgaatt aacacggcag ttctcggtta cgttttcgga aagcgtggga 240
tatgattctg tctatcctgt acggatatac agtaattacc gggaggggat tccatggcga 300
agaagcaggc ggcaccggca gcacggcagg aatgagcgg tatggcgcgc ctcgggcttc 360
gcgtctcatc gatgattaat caccgggtcg cccagacgca gcgctggggt acgattcatc 420

```


gcctggacac ggatggggat cgggagtggg aagaggttct gagcgtgatc gctgataccg 480
acgagctcga gctgacgctc aatgacgatg gcagtgtgac ggtgaggtgg gagca 535

<210> 140

<211> 640

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 557, 559, 591, 599

<223> n = A,T,C or G

<400> 140

acattggtgg cacttgaact gagtgcaaac cacaacattc ttcagattgt ggatgtgtgt 60
catgacgtag aaaaggatga aaaacttatt cgtctaattg aagagatcat gagtgagaag 120
gagaataaaa ccattgtttt tgtggaaacc aaaagaagat gtgatgagct taccagaaaa 180
atgaggagag atgggtggcc tgccatgggt atccatgggtg acaagagtca acaagagcgt 240
gactgggttc taaatgaatt caaacatgga aaagctccta ttctgattgc tacagatgtg 300
gcctccagag ggctagggtta gtacaaactc gcattcatgg cttggtttcc cagaagatct 360
ccatttaact tttttaaaga aagtttattg ctttctttaa cctgcatttt ttctaagttt 420
tttttcgcat aaaggtgctg tctttgtggc aaggcctagg catgacaatc ggaggactcg 480
agggggatgg aggactagtg atccggctgg ctgcttccag tcgattagag aggtgaaaaa 540
gctgaacgtg tgcccantna atcttcaaaa aggcagaaac atatcacctt ntgccccent 600
aaacttgttc tttttccgaa ggggaaaaaa aaaatggaaa 640

<210> 141

<211> 127

<212> DNA

<213> Homo sapiens

<400> 141

aaaaatcaca cactgacaac acagaaatac gaaatgctag gaaaagtcta gcatatgaag 60
gaaaaacatg tcttatgcac tctaataata ttttttcaat tagtataaag gcaaatgcgg 120
ttttttt 127

<210> 142

<211> 126

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 18, 44, 46

<223> n = A,T,C or G

<400> 142

aatatcctc tggatgcntt caagtaatac taatcatttc atgngnaaaa gtctttttaat 60
aaacaaattc agagtaaaat taattgaaat atttataata catttgttac acagttattt 120
ccaata 126

<210> 143

<211> 730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 512, 555, 603, 608, 685, 721

<223> n = A,T,C or G

<400> 143

```

gcaagtctctg gagtggtcac ttctgagcct gaattccctc ccctgcaaaa tgggggaata 60
ccctcctcag aggggtccctg cgagggtgag gggagatcag catggcaggt gtgctgggca 120
cggcagggcc tgggaagggc agatcctttc cccatccctg ccacaaacaa cccaaacctt 180
taaaggagag caatggcctt gtgtcaaaaa caaaaacaaa acaaaaccct gtcctaggag 240
actggggccc taatttctaa tagcaagcct ttatgagtc ctaacactct actgggctga 300
gtatctcaca cgccagagga taacctgcct tctgctcacc accacccctg agtagttgtc 360
attgtgtcca ttccacagat gaggcaaagg ctcagaagag tcatgtgtta aaccagcttc 420
tagagcccat gcaggagctg cagggtggga gaatcacctc taggtgctct tcccatggaa 480
tcctcacctc ccttgagtgg tcaactcactc anctttccaa tgggtgtgtg acctttgacc 540
agctttcttt ccttntctgg gcctcagttt cccaccttgg acaaagtaag aggtctcttg 600
ggnttcangg tagttcttcc taacttcttt tccttttcat ttgagcatcc ttcttcattt 660
tttgccacct ctcttgatc tacangcttt taccttcggc cgcgaaccac gcttaagggc 720
naaatttcca                                     730

```

<210> 144

<211> 485

<212> DNA

<213> Homo sapiens

<400> 144

```

ctgggtcagaa atgattctct tgtgacacca tcgccacaac aggctcgggt ctgtcctccc 60
catatgttac ctgaagatgg agctaccttt cctctgtgtg gcattttgtc gcttatccag 120
tcttctactc gtagggcata ccagcagatc ttggatgtgc tggatgaaaa tcacctgtgt 180
tgcggtgggtg gtctgctgcc gccacttcta atcctcatca tgacaacgtc aggtatggca 240
tttcaaatat agatacaacc attgaaggaa cgtcagatga cctgactgtt gtagatgcag 300
cttcactaag acgacagata atcaaaactaa atagacgtct gcaacttctg gaagaggaga 360
acaaagaacg tgctaaaaga gaaatgggtca tgtattcaat tactgtagct ttctggctgc 420
ttaatagctg gctctgggtt cgccgctaga ggtaacatca gccctcaaaa atattgtctc 480
aacag                                     485

```

<210> 145

<211> 465

<212> DNA

<213> Homo sapiens

<400> 145

```

ccaagacagc tcgtttcttg agagtatgag ggtgtgtttt cttattgtga aaggaactac 60
cttctcttag agggtaggaa gaatgtggtg tgtgtgtgtc tcataaagca accggacatt 120
ataggtgccc aggtcatcta taaaaacgat ccttgggctg tgtaaaaatg aagtggcttt 180
tcagtatcct ctttcacact tgctgcttcg ggagactatg caatgatggg aaggtgattg 240
cccctttatt tcattcagtg ccatgggtccc tgttggtgta gtaatttatt tgttttagttc 300
atTTTTTTTT tcttaacagt caaggggaag agtgattcct cacactgctt tcaagctgga 360
ctgagccagt ctcatcttg gaaagaaatg ctgtgtccag aactcagcag ctccatctat 420
tttttccagt cgaaagaaac tgatcttttag gcagttttta cttgg                                     465

```

<210> 146

<211> 351
 <212> DNA
 <213> Homo sapiens

<400> 146

```
ccagccgggg taatctgtat gtggcggact tgagctacga cgtggggcggc aagtgcctgt 60
ttgaccagat cagcggcgtg aagcttatgc caactcatcg ttgataaat ccgaggatca 120
gttcaagacg tcgcagcggg tgattttggg aacgtcgttt tcggtcagta aattgtgggt 180
agcgacggag tggttgatcg gcaagaatga tccgtatatt ggcgggagca gctataccga 240
gagcctgggg gctgggggga gtaaccagtg ggagaatcag ttatatatga acattgggta 300
ctacttctga cttaagatct ccagcgtttt aactggcctt atcgcaggca a 351
```

<210> 147
 <211> 654
 <212> DNA
 <213> Homo sapiens

<400> 147

```
acttattttt aattactgaa tatttcttag acgttttggg acagatttta tgtaatcttt 60
ataagtatga tttctgaaga aaagcaaatg cattagtatg ttgaccttaa acttgttagac 120
taaaccaagt attgtaaaat aaacagcgat aacagtgata gtttttaact ctatgggtcat 180
tgtatcactc tggaaaatgt ggagtagctg taataaatct actcctgtat tatgctttac 240
agtgcaggtc ttagtttttc ttttttctca tttcttttga aatggcatct cgaacaaagt 300
ccaccaatcc ctttacaataa gaatgaactg ctctctctgtg tgtacttcat agaagggtgga 360
atcggacaga ggcaggttag tgacagttat tcctgaaata caggagcaga gtacagtctg 420
ttgtgggttc ccggattccg cgcctagctc agccaattaa gcatgagaca taggccattg 480
agccacttag tagttatgcy agtggataga ttggtatgta agagggaaag aggtctgctg 540
taaagaacaa cacttgtttg tctgtgggga aagaaaagca gaatcttgag atgaaagttg 600
gcatacaaat aggatactat cgccagtagg ttatattaca aaacatttat cggg 654
```

<210> 148
 <211> 539
 <212> DNA
 <213> Homo sapiens

<400> 148

```
tgaatatcat gaggggtgatt ttcacctgat tgcaaaaactg ccatagtttg aaacactttt 60
tcaattttacc agacacactc tgtcaagact tcatatactt ccaacttgca agcctgtgtt 120
ttgccttctc caacctaaaa aggaaaagct ttaaaccgatg aacttacatt ctattaaacc 180
atcagacttg agcttatcca tctgttttagc gtgaatgtac aaaccaggta catttccacc 240
aaacacatag aaaaatcttg tgcatacag ttcagctaag ggtagtagga caatccttac 300
aatcctcctt ggatttcttt ttttaagatgt caaagaagca ggtaagcaac attgttcatt 360
tgttactggg tgttctagat caaaccttca caagctatat atatagcttc atatgctata 420
gcttacaaat ggggtaacaa agtaaaaagaa aagaacaaat tatactttga cactttatag 480
tcaaagtata attaaaaaag aaatcctaca gtgggtaatg gagaaataga taatttttc 539
```

<210> 149
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 149

```
tttttggtca ttctcctcaa ggagccgctg gatagtagtc ttgattgact tccaccttgc 60
ccctcataca gtccggtact aaggccaccg acatcccagag gaacctccgg aaccacgacc 120
```

gccaagcaac tcgacccacg ataggtgggg cctacgctct cgaagttgat tggatgctcc 180
 cgcctacagg gcgggggtaca gaagggacgt catttgtgac tggacgcgca agagctatac 240
 tcagcagctt tcctctgtcc cagcccctag aac 273

<210> 150
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 150
 gtttttacta ccgtatggcc catttaaaag ggatgtgtac gccttacact ataaccctta 60
 aaccacctag aaatatgaaa ctcaaactgc cactgacctc cctcaccaag ctccataaaa 120
 gtaaaaaatt ataacaaacc ttattaacca aactgaacga acatatgggc gattgattca 180
 ttgccccac aatcctaggg 200

<210> 151
 <211> 515
 <212> DNA
 <213> Homo sapiens

<400> 151
 ctgtagegat ctttaagaat attttatata tgaaatctgg atttaggggt cccatgggtct 60
 ggcaccactg ggtacagtag ttctacatgg cagtaattca ttggagttga agcagtgagg 120
 aaagagtcaa gtactagtct tttatcctca gtgtccagtg actgtcaaga gaaatgggac 180
 tgccttctgc attgggatat gtgggttaaa gagtagtcca atatagaaga gtgagaaagt 240
 gmacctctg aggcatagta atgttttatt kraaaacatc tcacatgtat tgaatactta 300
 sataggatgt attctgtatt actgaatttt ccagattatt gaagcaatca cttttctgtg 360
 tttaaagttt tagaaagaat gcttttaaaa atgcttaaca taagataagc ctgttttcat 420
 ggtgcaaggt cttttctatg aacatgaatc actggactct gagggttgga ctaagatcac 480
 atctacatcc cttttaaatg actagtgtgc tcaga 515

<210> 152
 <211> 243
 <212> DNA
 <213> Homo sapiens

<400> 152
 atttcaacaa catacttgtc gaggtagtta taaatcttct tagggggagg tgggtgggttc 60
 tgttggaatg ccaattttac agcttctgct gctgattcag gttctttaat tatgcttttc 120
 tttgagtctg cttcagatag cacaacaaaa aaatgatgac acttttcaca cttgacaaaa 180
 cgggtggatg atacaaaagg tctctacatg tgtgcacaag tcgccacatt taggacagcg 240
 cag 243

<210> 153
 <211> 620
 <212> DNA
 <213> Homo sapiens

<400> 153
 ttgtcttctc taccttacca tagccagttg ctttcatttt aaaccagagc aagtaacata 60
 ttagtgactt gaatcttcat aagttaaagt aaaaaacagc aaaaaaccta gatctttgtc 120
 ttttagaaca cagaccattt tcaggaaagc agttagctaa gtgtttaatt catgaatatt 180
 gtatactgca tcccctacca caatttacac aatcctgtgg atagtcctac ctcaccctgg 240
 tcaacctaca tgatccttaa gctaattggcg gatcacgatg accttgtaga catgcacaca 300

actatacctt	tgccaacag	atcataatat	atctgctatc	caactgggtt	tacctgccta	360
atcctactga	tttgggcact	gcttgtatag	tctctcaagt	tcacaggaaa	tggtgatttt	420
ctaaggctct	cattttttaca	gagtatacag	gcaaagtgac	aggggaaaag	gaattagtct	480
aagagtaagg	ggatgattat	tatattgagg	ctaaaaccac	aaagtggctc	aggctttaaa	540
aaaaaacact	gtggataatg	acaaaaagca	taagtaaaaa	tatttttgaga	aaaataaagt	600
acaagttttg	aacaccccc					620

<210> 154

<211> 843

<212> DNA

<213> Homo sapiens

<400> 154

cattgttagt	gacccaagta	aattttatagt	ttttaagttc	agaggaaaaa	taaagcctat	60
tttttggtta	cagtcttaat	aaataataaa	atggaataaa	gaaacccaaa	aaaaaagaaa	120
aagtttggtat	gaaaattcat	ccctattttct	ttatttttga	ctaagtagtc	aaatttctac	180
tatattaata	ttatgtaagc	gacacccatt	taaattcact	ctctttgata	gaaagggtgag	240
ttgattatca	cacctgctat	tttttcactg	ccaaaragac	tgcaataacc	tccctccatc	300
accctcaaaa	aacaaacaga	aaccatctga	ggcatagcca	ttgtttacat	attgtgtttg	360
tgtgcaccta	tctacaacgt	tctttcttct	aaggagttaa	tctgccaata	tttccggctt	420
cagcagcagc	gctcttcttg	acagactaag	agaaggatct	acagaaaagt	catctgatta	480
aggttttggg	tcaaattaaa	actctctgga	cagaatcctc	tttccttcac	ttggattttct	540
gcaaacagaa	agcagattat	tctcctggca	caatagcgac	tctagaaacg	cttatgtttt	600
tcagactttg	gcagaacttg	ttaagaacag	catcatcata	atacatttgt	acaaactcga	660
atttcagtgg	ctctttttgtc	ccacatgatg	catgatgaaa	tttataaagg	tctgtttttac	720
ccccacaggg	tcatttcttt	tgtgttccta	cagagccaat	aggcttcatt	taagtccaag	780
ttattatatt	aaccatccct	ttcactagac	tagagaactt	ctttttcatg	gtccatatcg	840
tga						843

<210> 155

<211> 674

<212> DNA

<213> Homo sapiens

<400> 155

tttcgtgtca	gccccaggtt	tgctccagct	attcacaagc	agaatataac	acaagaaaaa	60
caattcatat	cccttaggga	aaaaagagga	tcaattcatc	actcaatatt	taatacagcc	120
aaaatgagct	gcaaaaacaa	gcacacacac	aaatactgtg	aacagaaaaa	tacaagaaaa	180
tgactaagct	gggagtcttg	acgggggtatg	gacattgctt	aaagcactta	tcagtcccca	240
gaaaaaccaa	acaaaaaaca	tttttttacga	tggtcatggcc	tcatggcccc	ctttaaaact	300
gttgatggta	acaaagggca	gggggtgggg	agagaaaaca	caatcactgc	tccctttttg	360
ctcgccagtg	tgactgcacc	cctcacggca	cgggcatgta	cacaactacc	acacaaggag	420
gaccaagtcc	ctctgctggg	ggcctcctaa	aaggcaaggc	ttgagttttg	gctgatgagc	480
aagttctctc	cgttaccaat	ccctgccaac	cagcactacc	atggctgaat	tgatctaccg	540
ttttcctgag	taaactgtaa	ctggctacag	tttcggtaac	atggaaaaga	actcagctac	600
tacagccaac	tgcaataact	caggaacccc	ctccatccct	ggggctcctc	actcctagtg	660
catcttgatt	ggat					674

<210> 156

<211> 671

<212> DNA

<213> Homo sapiens

<400> 156

```

ccttttagtga acacctttat ctccatgtcc ctcttagagc ccagagagct gcccataggc 60
atthttccaga attcctcatg tcacctagtt caattttccat taactcagat cagccattgt 120
gattcaccat ttgtcaggct ctccaggttta acaaaaccta ctatcaccat catccttcaa 180
cagccacagt ctgaattgag ccaacatttt tttttctttg agaaagaagt gggctggggc 240
acaactttta gtctgagggg agctagtagt cggcttgaca attaaagcca tccataacaa 300
cttttcctca aatgtgttga ctctcaggg gctaaactgc tcttagctta gaattatgct 360
ttactagaga tctaccatat aagtgggtta atcactacca tctgttaact agttatatag 420
cttccagaca tgagggagac atcaaacagg gatggaagca accccaagga tatgcaagaa 480
gggcatgatg aacccccctt cctctggcag gagaacaagg ccaaccaagg gacagactgg 540
aaagcactta gatgttttaag gaggagaaag ggggaagcttt gaccagtcct tgccttttgc 600
caagttcagc cagttctccg ctgcttgcaa cctctagcgc agtaacattt tgcagaattg 660
cagattttcc c 671

```

<210> 157

<211> 474

<212> DNA

<213> Homo sapiens

<400> 157

```

cgcgttcttt aattctttta gcctagaaag tcctttacac tacttaccta aaggtcccaa 60
agtaaaacac aactagtag taaggctagt gcattttcct tctagcactc aaagaaagct 120
taacattttt gacagtttgc aaataccgcc ttgtattttct gattcagcct tattcaaagt 180
atcataataa aatattttatt aaatstatgt tgatctgcgt gcattttatga tctccagatt 240
aacgttaggc ttctctgttg ggccctaact tggagggtgct tttttggatc cctcctcccg 300
tgattcattg taatttcatt tcccttgta tggctctgac cagagaagat tctaaatatc 360
tgcccccaaa gccaaaatta tatcttttga aaagtgaat gaagagttga gtcastaatt 420
tatttttagat attactgcct aaaacaattc cccaaaattt atggaagttg gagg 474

```

<210> 158

<211> 584

<212> DNA

<213> Homo sapiens

<400> 158

```

ttggattctg cagttccaca tcattcactc cggcaaagga gagaacttgt aacaaagatg 60
agtgccaaagt ttagtcaatt taccctacct ggaatactat atacaactct gggctctcatg 120
tgtgttaaaa tacatacagt gaagctgagg aagagccact gaagtaaaaa gtattgttta 180
caagttggaa aggatgtaaa aataatctaa agtatactaa gtcaggaata aaaggcagag 240
ttaataaaat tgtggctggg actgatagac gaaacagata tattttctaa atcctggaat 300
aattattaaa aaattttaca tgtatcaatg gattccagac tccatatttt aagtttcaca 360
actactgtca tttaaaacta taccttattg aacgtctccc actctcaata aattaccca 420
aatcactctt ctccaaaacg taaatttgga acacactgac ttacaaattt tgggcttaat 480
ttataggatg ttgtggccct caaaaatatc attgtgggct aaacaaaata aattcttgaa 540
acaattctaa aaatcaatca ttgtccaaaa tgaacttttt ctaa 584

```

<210> 159

<211> 671

<212> DNA

<213> Homo sapiens

<400> 159

```

cctaatttta ttacttttct tgccactgct attattgata gaaatacaat taaataatta 60
agatgaacca atccattgga agattactaa aattgtatct tcccaatgcc tcctacagta 120
agatttcttt ataattataa cccttgagga caatttgaac tttatttaaa tgttctgctc 180

```



```

aaatctaaat ttccttctcc taggctgaag cctgatctaa ataaggaagt agttgggata 240
tatccacagg ctgtcgaaca tggagctgca tctgagagac aggtggcagc aaccaaagc 300
aaagcaggga ctgagaacag gcaggttcca agagcaaaat ggaacttgaa agccaagtat 360
ggttcactgt aaaggagaaa atatagaaat acggaactag aacacctggt ctgggatgtg 420
gtaagcacc cccaaaataggg aaaactgtat gaattcttgt gaagcagtaa actatgatag 480
taatcatgtg acacatatga taacaaactc aaaacaggga aaagaggggc ttatttcaat 540
gctggagata agtgaaaaaa aaagtgaagt gtctcaagga cagaagttat catctcaaaa 600
aggcatatca gctagatctc gcggaaacca tatgattatc ataattctag actctgttcg 660
gtattacaaa g 671

```

<210> 160

<211> 315

<212> DNA

<213> Homo sapiens

<400> 160

```

ccagagaggg agggctctgc ttcaccacag ggcaccagaa gaggactggt gcgcgggaag 60
accaggtaat cataatgcta ttaaaaatag cagtaatcat actgttttat acattgtata 120
atgtcataag gattttaact ttcattgtaac ataattgctg taaaagtttc cccagtttgt 180
tttgtgctat ttaccctggg gttaaaatgt gtaagaattt acatttttagg tatgttaggt 240
ttattccttt ttatatgggt tctgtttgaa attttgattt tagaagacat tcattctcaa 300
ggtcataaaa cacac 315

```

<210> 161

<211> 607

<212> DNA

<213> Homo sapiens

<400> 161

```

tttytggtgc accttggata attgcttaac ttttaaaatt tacgttccct catttccaaa 60
aagggtattat aactcactgt tattttgata attgagataa atgtacgtac aagtgccttg 120
aaactgtaaa gtgcattata aacagagggga tttaccatag aggttctacc ttgatgtatc 180
aagagaagcc ttttctggaa tctgggtgcag ccttgtgaga tgctgttagg taaggggact 240
ccttggtaga atttcttaca tttgtgtaaa aagttctggt tcctgagtaa ttccaaagaa 300
gatgctatga ggagttcact gtgcctttga tttgatccca atgggtcaga atatgttttc 360
tcattcagta ggctactaca ggatttgaag tagaaaaaac aggggtccagt gaccttcacg 420
ggatcctaga tgttcatgaa tttcaatcat ttgagattgt ggggtgtggt ccaatgctgc 480
tctcaaaaag atgttgcctt tcttcasaga gcattaataa ctaaaaaatc ccctgggtccc 540
aaattttattg tgtgtmtctg aaggctttta ctgaagaaat gaaawgcaca ctcatggaac 600
aaactaa 607

```

<210> 162

<211> 443

<212> DNA

<213> Homo sapiens

<400> 162

```

tgagttttga aaaagtgaat aatcaaaagg aaaataattc cttgttggtc ataaattaag 60
catcactaaa gtctcttgaa aggcatcttct gtattgggca agatttaaaa tactaaagcc 120
ttaggtccta ttcataattta aagtagcatg tttgtaacct gttactattt ggagagagaa 180
gcagttgcct gccacaattg aagactacct ttcaaatagc aaaagagaga gagaaggctg 240
atatttcggg ctttttaata aagatttgtg tggttctgct tttactgtaa ctgtcacttt 300
cccagtgaat atgatttcat atacatttga gggctcttaca sgtatgggta aagttctata 360
aattgcaaca aaatgatacc caatttcatt ttatcctttt tgtattgtga aactggaaac 420

```

tttatgacat tgtaaattat cag

443

<210> 163

<211> 686

<212> DNA

<213> Homo sapiens

<400> 163

caggcaaatt	atagtcaa	acatcacccc	cctcaggcat	ctgtggcaag	gcatccctct	60
agagaacaac	taattgatta	cttgatgctg	aaagtggccc	accagcctcc	atatacacag	120
ccccattggt	ctcctagaca	aggccatgaa	ctggcaaaac	aagagattcg	agtgagggtt	180
gaaaaggatc	ccagaacttg	gatttagcat	atcagggtgt	gtcgggggta	gaggaaaccc	240
attcagacct	gatgatgatg	taagttagct	ttgtatatct	ttgaaacacc	tataaagttt	300
tatttaccga	ttgaataact	aaatgtaagt	gaaaatctaa	tagatgttta	tgtaaactta	360
ggtagacatc	acctggattc	cccactctat	tgcttacctt	tttgttttgt	aatttgatca	420
gttcaagtta	aaacaattta	accaaaaact	atgaatgttt	atgatataat	gaaatgattg	480
ttaactttct	tattgctttt	tcacacacct	ataaaagtaa	ttttattact	ccaagagaa	540
atcactaaag	gcagaattac	tagaggtaaa	aataactagg	gttggtacag	tattactcag	600
gagaagtcaa	ggggagaaaa	cttgtcccaa	tgattcaaaa	taattttggc	atgggggggg	660
ggagggaaaa	aaatttggct	tccttt				686

<210> 164

<211> 706

<212> DNA

<213> Homo sapiens

<400> 164

ttttttttgt	ttcatttgct	gcttaaaata	aaaattataa	attagattta	aatggagcac	60
taattataaa	acagattgca	agtaccacca	tttgaaaaaa	aaaaaaaaaa	tcagtggatt	120
tccataacac	agaaaatgca	tgacatgca	tctacagtag	agttaaaaat	ttcctgtgac	180
taaaaaatta	aaaactggaa	tcaccagtag	caaagtata	gtcaatggct	atgacaagaa	240
cagatcctgc	cgagctcata	aatgcaatta	ttggcttttt	tgctttataa	aaaagacatt	300
acatatattta	ttgcattatt	ctcctaataa	aaaacatact	accacgtagc	tctccccatc	360
cccatttctt	gcttccagat	ttttatagaa	aataactgtt	ttagtctggc	cttggaaggt	420
gaaccaccca	gcaccacctt	cacctactca	ctcttcaatt	caatatgcac	atagcaaaag	480
ccaacacttc	aaatctcttg	cccacatcaa	aaaaagtagt	ttcaggagaa	aaacattaat	540
accagttgaa	taaaaataag	ggcataaaaag	ctatgagaga	gatagctctg	ccatctgtct	600
ctgggctaaa	aatcaaggct	aactattgcc	tttggcacca	caagggtcaa	ggtccatggt	660
tttattagaa	aagtcctcac	aaaaaaatta	aacccccctc	acccca		706

<210> 165

<211> 427

<212> DNA

<213> Homo sapiens

<400> 165

tyywgggcaa	ttaggcagga	gaaggaaata	aagggtattc	aattaggaaa	agagggaagtc	60
aaattgtccc	tgtttgcaga	cgacatgatt	gtatatctag	aaaaccccat	tgtctcagcc	120
caaaatctcc	ttaagctgat	aagcaacttc	agcaamgtct	caggatacaa	aatcaatgta	180
caaaaatcac	aagcattctt	atacaccaat	aacagacaaa	cagagagcca	aatcatgag	240
tgaactccca	ttcacaactg	cttcaaagag	aataaaaatac	ctaggaatcc	aacttacaag	300
ggatgtgaag	gacctcttca	aggagaacta	caaaccactg	ctcaaggaaa	taaaagagga	360
tacaaacaaa	tggaagaaca	ttccatgctc	atgggtagga	agaatcaata	tggtgaaaat	420
ggaaaaa						427

<210> 166
 <211> 124
 <212> DNA
 <213> Homo sapiens

<400> 166
 accatgtttt cgttgtgtgt gagcagggaa gggaaactttc ctgccttatt taaacctggg 60
 ccgaggattc gtggaatctg cttgatcaga gactctgagg ccaaaaacgc atcatacttc 120
 ttgg 124

<210> 167
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 167
 tctgcatagc aaatatgatt taagaattta acatcattat ttgatcacia gcgtaaatat 60
 gtcaccataa ataaatgtaa attcattgta caaaaattcc caacaactct taatacaaat 120
 atggtacatt tgacagtttc tgaaacagat tattttttaa acttttttaa acctaagctt 180
 tatttttttc ctggttatta gacacacaca aaaaaataa aaagaggctg gg 232

<210> 168
 <211> 677
 <212> DNA
 <213> Homo sapiens

<400> 168
 tttcacatt aaccaacatg caaaaattct cagactaaac actgagaaat tcttcataca 60
 atgcatttgc caccttattg cattttttaa atctttattc tatagtgaat tggatttccc 120
 aatctgccta agcaaaggca tgcccttcta acaagatttg cttagagcag aggtgataga 180
 aggaagaatc cgaagaccct ctggcatggc aatctgggag cagcacattg ttgatggagt 240
 ccaagtgagc acatttcaca caattcattt agtgacaagt gggcttgctc ccttttcatc 300
 caggaaaaaa actactcaca gaccactgcc cagaatctgg aataagaacc ctcattttta 360
 ggtattcttc ccaacaaata aatatctaaa tattgaaagg gggcatatca gaaaacttaa 420
 aagacacaat aacaaaacc aaaaccctct tcaaaaacaag taagcaatgt ctgtatttag 480
 ttcactctaa aacattctta gcttttcttg cagtttggtc ctaaaagatt tgattgggca 540
 caagaggaac gaaattatta ataaaataaa agcttatttt tgtttttgct gtggataatc 600
 ggtacaaaac gtttccagat ctgagactta aatggatctt ttaaggtgaa aaggagaatg 660
 ccaggttcta ctgaaat 677

<210> 169
 <211> 635
 <212> DNA
 <213> Homo sapiens

<400> 169
 ttaagaagac tgggcattta tactctctct tgctagtcag cctggagcaa gcttggagca 60
 gacgcacatt tttgtactgg cacatattct tagacgacca attatagttt atggagtaaa 120
 atattacaag agtttccggg gagaaacttt aggatatact cggtttcaag gtgtttatct 180
 gcctttgttg tgggaacaga gtttttggtg gaaaagtccg attgctcttg gttatacgag 240
 gggccacttc tctgcttttg ttgccatgga aaatgatggc tatggcaacc gaggtgctgg 300
 tgctaattct aataccgatg atgatgtcac catcacattt ttgcctctgg ttgacagtga 360
 aaggaagcta ctccatgtgc acttcctttc tgctcaggag ctaggtaatg aggaacagca 420

```

agaaaaactg ctcagggagt ggctggactg ctgtgtgacg gaggggggag ttctgggtgc 480
catgcagaaa gagttctcgg cgggcgaaat caccctctgg tcactcacat ggtacaaaaa 540
tggttttgac ccgctaccga cagatccggc cgggtacatc cctgtctgat ggagaggaag 600
atgaggatga tgaagatgaa tgaaaaaaaa aaaaa 635

```

<210> 170

<211> 533

<212> DNA

<213> Homo sapiens

<400> 170

```

ctgtgatctc acaagtgtga aaaatcttat gaatgtaaaa tgtgtggaga ttcttctttg 60
tttttagctt ccactttggg aacatgtcaa agcacacatt gagaagtccc atgagtgaaa 120
gagatgttgg aaagcccttg aacttggctg ttaggaaaca tccacactga agaggaacct 180
gactgtatgg aaggtcaaaa aggctgtatt aatttacatg caaaaagtca cactagagga 240
atgccatata agaatgcttt tggtaaata acatgtttta aagaggttat atatcattaa 300
taaaaatatc tagctgggtc gaagaccctg agttatctca attgttcacg gttacagatg 360
gaactcttta ttattgagga gttccactct tccccccatt tgtcactact acacttccct 420
agtctttaa acaatttttag gctgggtgca gtggctcatt cctgtaatcc cagcactttg 480
aaaggccgaa gcgagtggat catttgaggt caggagttcg agaccagcct gga 533

```

<210> 171

<211> 568

<212> DNA

<213> Homo sapiens

<400> 171

```

cccttgsc aa actttccctt aagtattgca ctacaagtct aagacacttt tcactcaaag 60
ttccttcctt ccttacctct cttttaactt ggagtcagac ttcatcagc ctgacaactt 120
ctccctgtct ccttcctttt ccccccttca caagcatttc acctaacaaa tttcttatgt 180
gcttaatccc ctcttagaag cagatgccaa gatgggatta agcacataag aggtcctgga 240
ctaatacaat gacaaaggct ccccttgaag catcacacta aaaggaaaaa aaaaaaaaaa 300
acctagccat ttacatttaa ctattttctaa aatatagtat ttgcttccct atttgctaaa 360
acaaaatata ctaaacaatga ctattccaaa aatctgtagg gtactaagaa tatgaagaga 420
ttcactctac ttcaggggat ggagttgtag tagaaaaggc tttgtggagg gaggggtggtg 480
tttgaaatgt actttaaaag ccatacctca agcctcgagg gctatacctg gcctggtgat 540
tatccaagga cagtccattc aaacaggg 568

```

<210> 172

<211> 167

<212> DNA

<213> Homo sapiens

<400> 172

```

ccatttacag gaatcagcca cttcagttca gacagcttta ttaaaccgcc tggagcgaat 60
tttcgaagca tgttttcctt ccatacttgt cctgatgct gaagaggaag ttacttccct 120
gaggcacttg ctggaaacaa gcactttgcc aataaaaacg agagagg 167

```

<210> 173

<211> 391

<212> DNA

<213> Homo sapiens

<400> 173

```

cctcccaaag tgctgggatt acaggcatga mccmccmcgc cctgatgata gacacgtttt 60
taactttctaa aaatatatga tcatgattgt gtctgtggag acttgcacat atactaaatt 120
ttaamcaatt agagatatatt gttcattacc acatttttggg agtcattatt tcctctatga 180
agagagaaaag gaatttgata caagttcaca ggggcttcca gtagattgag actttttattt 240
ctagctgagc tgctgatgta tgaatttttt ttgktattat gactttcata tgtattaaaa 300
ataaaatgaa aaaacaaggg attaggtgag gaacctatac gtctctaata tgcaaaatac 360
cacagaaata atgactgktg ggaaaattag g                                     391

```

<210> 174

<211> 474

<212> DNA

<213> Homo sapiens

<400> 174

```

gaactcagag agaggattgt cacccttggc atctgagctg acactataag gacaatgagg 60
agtctccttg gggatagatg gggagatgga aggacgatgc ctgtcctacg gggctcttga 120
aggttaggga tacacactgt gagctgccac aggctcaaca gtacggatag ggggtgctgg 180
aaccagccag ggctctgatc accaagctat gtgccccatg cagaggaagg ggtagtggca 240
cactgaacca cccagccaca aggctatctc cccatacagg gcacctttaa aaaaattatc 300
cttacagggg aagacgggga ggaaggatga actgtgtgcg gtgatgttgc agtgagtgtg 360
agtttgtgtc cgtccgcttg tatgagggcc taccttttac taactagccc ccaactttca 420
ttatctcccc tttttctgtc tacccttctg ccttttttaa gtggcttgca atcc          474

```

<210> 175

<211> 655

<212> DNA

<213> Homo sapiens

<400> 175

```

ccttgcaggg gtggggatgt gtgggcttgt tcaactgttac agcccatgta tacctgaagg 60
gcaacatgta cccacaaatg ttccaggagg taaataaaaa atacaattca gcctcttcta 120
aaccatcctt gttgatatct ctgctacttc cgaaagttaa ttcgttattt ggactccata 180
atttttccta ttaattcacc ctatgtccaa ctccaacagt gaaaaaaatt tatttaattc 240
ttgcaataag cctataggca ggcagcatta tcctcagtct gcagataagc taaggctcag 300
agaagcttgt atactgtcac ttaggttagta attgcaagag ctggcattca gaccagact 360
gtgggactcc tcaactccatt ctctttcccc ccactaggct gctccttaaa atacaatgga 420
tgcttgatga acgcttgtgg gaatcctggg tggacacagt tccttttcgg ccaaaagcac 480
cttgacgact tgtgaagaat taatctggaa aacttaacct atttataaaa acgtgttatt 540
aagggcaggt tattcccacc ccctttacca aagaaacccg ccctgacctt tttttactgg 600
gggttggctc tgggcatttt caacaagggg ggaacagttt aaaaattccc ccctt          655

```

<210> 176

<211> 660

<212> DNA

<213> Homo sapiens

<400> 176

```

cctggtcaaa gtgggcatta ccattcaagc attactagac atcaccgtaa cgaaggctct 60
gttcacatga aactaccctt tctccattgg gggctcagac tctgctctca tccaggatcc 120
tgaactctgc tccaggcacc tgttcaaccc tctctcccac ccactgcctg tcacttcact 180
gactccagtt acattgaaac aattttcagt ctaagggagg attttctacc tttcagagct 240
gacctccgac tttaagactt gacaggtatt tatcttgaaa ccagagaggg agctggagga 300
aaaaaaaaact gagcaagcac atcaatgcct tttccaccct tcttcatcct ttccacactc 360
accgactgcc attaccaaaa cgccaagcac aaccggtttg gaacaagacg cattccgttt 420

```

taattaaaac caactcatta tgtatTTTTag tgggggggaa gggggggcaca atcaggggttt 480
 tcaccaccaa atTTTccaca cggTTTTctga acaccattgc cTTTTaaaaa actatTTTTc 540
 cacctccaaa atatTTtattt aaatTTTtatt tattacggag gtgggtattct tcctTTtgga 600
 gccaaattgg gaaatTTtagg gaacctTTTTt tattaccggt tTTTTtgggc gggtaaacc 660

<210> 177

<211> 459

<212> DNA

<213> Homo sapiens

<400> 177

ctTTTTctct tctctgtgg aatgggtgaaa gagagatgcc gtgktttgaa gagtaagatg 60
 atgaaatgaw tTTTtaattc aagaamcatt cagaamcata ggaattaaaa cttagagaaa 120
 tgatctaatt tccctgttca cacaaacttt actctTTaat ctgatgattg gatatTTtat 180
 tttagtgaat catcatcttg ttagctaaact ttaaaaaatg gatgtagaat gattaaagg 240
 tgggtatgatt tTTTTTTaat gtatcagytt gaacctagaa tattgaatta aaatgctgkc 300
 tcagtatTTTt aaaagcaaaa aagggaatgg aggaaaattg catcttagac cattTTTtata 360
 tgcagtgtac aatttgctgg gctagaaatg agataaagat tatttatttt tgktcatgyc 420
 ttgkactTTTt ctattaaaat cattTTTtacga aaaaaaaaaa 459

<210> 178

<211> 720

<212> DNA

<213> Homo sapiens

<400> 178

ctgcaagctc ccactccttc catttatctt aacgcccagg ctgacttcta agctgctttt 60
 cactttccta cctccactgc atTTTcgccc ctgataattt ttgtaagctt acctaagcct 120
 cccttctTTTt gagatcccct tcttaaaaagg gtccattcta ttaaccctac cccatatcca 180
 gttactTTTta ctacctgctg atctatcgct accttgTcca attcatggga attacagggt 240
 gcactgggac aagagtaaaa tgatccaaca aacataatgt tgcattTtaa aaaataagct 300
 aaaagatact gatgactTTTt tataactaca acatattcgt ttgtgaataa gaacatatat 360
 agtaaaaaaga tgaaaatgtg aacaggTtga ctatttccta aatttatggc agaaggTtgt 420
 tctggagagg atgggaagaa aaaatgaagg ctggcagtga tgggtgggga aatgcaacct 480
 ccaaaattat ctatctatat atTTTtatta aaaacaccca cagtaattat ggcaaattgt 540
 aatggTttgt ttgttctaag gTTTtgata catttaagat ctcttgcttt ctgggtacca 600
 tttctTTTct tttctTTTct tTTTTTTtca aattaattcc aaaagactta tatctgctac 660
 atgaagaacg aagcaagtTc agctctcttg gctgaaatgt tcaaattgctt gagggcaagg 720

<210> 179

<211> 427

<212> DNA

<213> Homo sapiens

<400> 179

ctgtgaatct gtctggTtct gaacttatTTt tttagtTatt ggcaatctTTt gtattactat 60
 ttcaatctct tcttggtTTa atctaggagg gttgtatatt tccaggaatt tatccatctc 120
 ttgtaagTTTt tctagtTTtat gcacataaac gtgttcata tagccttgaa taatctTTtg 180
 tatttctgtg atatcagTtg taatatctcc catttcattt ctaattgagc ttatttgaaa 240
 cttctctctt cttggTtaat cttgctaatt gtctatcagt tttattTtat ttttcaaaga 300
 accagctTTTt tgtttcattt atctTTTtgta ttgtTTTtgt ttgtctcaat ttcatttagt 360
 tctgctctga tcttcgtTat ttctTTTctt ctctgggtt tgggtTtaga ttgttcttgg 420

tttctct

427

<210> 180

<211> 728

<212> DNA

<213> Homo sapiens

<400> 180

caaacacaaa	agtcactgtg	tgtgtgatgc	ttctccaatt	ccactcatcc	tggctgccat	60
tcatgcacta	gtgcatgtat	gcattttttac	atTTTTTTaaa	ttacaaaaat	caacctatta	120
taactgctta	gatatatatg	aagtaaaaaat	gaaagttctc	cctttacatg	acccatcccc	180
catcattttcc	ctcttttatct	tatactgtca	gcattccccag	cttgtagcac	agtgtctggc	240
aatagtaaat	cctcaaaaaa	tgatcaatga	ataattttaat	aatgattaat	aaataaatta	300
atgatgatgg	tgaagataaa	ttttagcatt	tattgaacgc	taactacaaa	ccagggagtg	360
tggtaaataat	tttataaaaa	tcaatgaatg	agctaaaatg	ccattctatt	atttttttgg	420
atacggttta	atatttttact	cataaatatg	cttaaagaat	attataatta	tatgacttag	480
aatggtaaaa	caatatgtac	agcagtatcc	tatttttttag	aataaaaaata	taaatatgtg	540
ctcacatatg	tggttggggc	atgcctagaa	acccgattag	aacgggattt	tttcttacca	600
ccattttttt	tacctgggaa	aaatatggga	aaatttttatt	tcccttcttt	ttggttctaa	660
aatttatata	caggagccta	tttggccttg	gataaatcat	tttaaaaaag	gtggttttaa	720
aaaaaaaa						728

<210> 181

<211> 546

<212> DNA

<213> Homo sapiens

<400> 181

acaatccttt	ggaagacact	actgggcttt	gggtgctgct	ttttaataat	tgagttattt	60
tgagcttgcc	aagtaggata	tattgcctgg	actaaaattt	atttcctaata	cttctgatga	120
ccaagaaagg	aaaaattaag	tttgcagatg	ggagatgaaa	tatagccagc	gaatatgcat	180
actggttctg	aatgaaagga	attaactttt	cagtcaagaa	acagtctgca	tgccgtaaat	240
tgaatttttc	ctgcaactgg	aatgattggg	taattctttt	tgaacactgg	cctttctccc	300
caagaacact	aatgaattgc	taatattttt	taaagaaaac	tggtttttta	attaggtaag	360
ctccacttcc	tcttattttt	taatccctaa	agaaaactgt	taaaagggaa	tggatctatc	420
acgccttttc	ttttaaaacc	acctttttta	aaaaggattt	ttccaacccc	caatttgctc	480
ttatttttaa	attttgaacg	ccaaaagaag	ggaaataaaa	atttttccct	taattttacc	540
ccctta						546

<210> 182

<211> 333

<212> DNA

<213> Homo sapiens

<400> 182

ggccactctg	actgggtctg	ctaattcaca	tgctctttgt	gacatacggc	tctaagaggc	60
agaggctgga	agagaagtat	gtgggttggt	ggatcaagat	acccaagttt	cagtcttgac	120
actgctatta	cttagtcagg	tgaccactgt	aacttcatct	tgattgagcc	tcagatgtct	180
cacctgcaaa	atggagtttg	aaatttgcta	tggttgggtg	tcacacggat	taaatgaaat	240
aatgcctgtt	aagcgcctat	ccagcactta	ataagatggc	cactgcatca	taatgctttg	300
ggcacaagta	acacaacatc	caacccaaag	ggg			333

<210> 183

<211> 393

<212> DNA
<213> Homo sapiens

<400> 183
ctgaatttct tgggctttat gtggcagtgt ggtaaaaata tatgatcaga tttcactggt 60
aagaaaattc tttcagcaat acatgtagag tcaagtttct tgcattggata actgaacatg 120
tgggttatga gatttttaaaa aatgtctcgt gacaaacttt acggaaatgc aacaatctgg 180
acatctagtt ttgtctgaga gtggcgtgga tatgaagaac tgtgctggtg gtgctgatgc 240
cacactaagt tttggcagtc acactcttgg ttcttcatat ttgaggagat gggatgggtga 300
ggaggcctgt tggctttatt ttattacgtg ccaccatcta gaatacagat tcttggatat 360
ttcatcttca caaaggtgaa gctgcaaact cag 393

<210> 184
<211> 700
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 74, 503, 629, 656
<223> n = A,T,C or G

<400> 184
ccaggscawt gaggaaaagr gaaagaatwt arrggstwt caaataggaa aaraggaagt 60
ccaaattggt cccntgttkg ccagataacc atgattgkkg atttagaaam ccccatgwtg 120
tcagcccaaa atctccttaa gctgattaag camcttcagt aaaktctcag gataaaaaat 180
caatgtgcaa aawtcacaag crtctctatm cgamcaatam cagmcaaaca gagccaawtc 240
atgagtgrac tcttattcac aattgctagt aagagaagaa aatmcctagg aatacaactt 300
mcaagggatg tgaaggwtct cttcaaagaa gaactacaar ccrctgctca aggaaataag 360
agaggmcmca agtaaatggg aaaagcattc tatgctcatg gataggaaga atcaatcccg 420
tgaaaatggk gatactgccc aaaataattt atagattcaa tgctatcccc atcaagctac 480
cattgacttt cttcmcgga ttnggaaaaa tctactttac acttyatagg graccaaaaa 540
agaagcccw ttagccaaga caatcctagg caaaaaagac caamcctgga ggcattcacag 600
tmcytgactt cmaactatwc taccaaggny tmcrkgmcc aaaacagcac ggkacntggt 660
mccaaaccrg acwtwtwgac cmmcagacac agaacmgagg 700

<210> 185
<211> 192
<212> DNA
<213> Homo sapiens

<400> 185
ccagyccttc ttttaagtaa gcgctttttc aagctcattg tagctacaaa gtcaataaat 60
tggctcttgt tatttttacc tgaaaaggct gttaaagggt aaaatgacaa actcaaattc 120
aaagggattg gaggatttgg tgtttatgat ttctcagaac aacaatctag agaccaccag 180
ggtgggtttc ag 192

<210> 186
<211> 688
<212> DNA
<213> Homo sapiens

<400> 186
gtgctggaat tcgcccttag cgtggctcgcg gccgaggtgg gatatttctt ctggatagat 60

```

ttcagatagg tagttccctc aaataagatt atatgggttt gcattttcaa ggcagagttg 120
tatacttcct gctctttatt taaataaaaa aacttgaaaa tctgttctgc ccagtattgt 180
aagcgctcag gtacaaatat gaatgaaaca atctctgcct aagtaacaca agtataggga 240
caagattctc agtaaaattc tcacgtgaaa tttgtaactc actagacact atcaggagat 300
caataattat gtaattaaaa aaaataatta cctgccaaac tgggttcttc tttggcactt 360
ctgcttggtt ttaagacaat tctcacatag aagcttatta ttccccatta gtcattccat 420
agatgtaaaa ctggtagaaa caggacttga attgaacatt ctttacaagt aagttatata 480
gcttctgaaa aaagggtctg aaaaagcatt tttggggact ataagaacct tcaaattgctt 540
tcccccttta acaaacctta aaattatttt gaaaataatt taagggggct gattttctct 600
tgtcaaaatc ttgaacccca cttaccaggt ggttggtcaa accaaagttc aaaaaaagc 660
ttctggcctt tcctttatcc cacttgca 688

```

<210> 187

<211> 779

<212> DNA

<213> Homo sapiens

<400> 187

```

gcaaaaaaca gatacathtt cagtgtttaa aaatgaacaa gtatggaaag gcttatacag 60
taactgaaaa gtctcctttg ggaagccaag gtgggaggat tgcttgaggt caggagttca 120
agaccagccc aagcaacatg gcgagacccc atctctacaa aaaattaaaa aatcagccag 180
gcatggcgga catacttgta gtagtaacta catgggaggg tgaggcgagg ggatcacttg 240
agtcgagagag tttgaggctg cagtgagccg caacgcgccc tgtactccag cctgggcaac 300
agagcaagat gctgctctaa aagaaathtt cttttaaaga aaaaagtctc cctcatagcc 360
tgttctacaa aagtcctatt tcttcccaca aaaagcctct ggtacctggt gttagttctt 420
gggggtggaag attactttta aaaatagaac tattttttta gtatatcttt tagggaactt 480
tagttcccga agcttttaga aatgggatct tgaaaacaaa agggatttca atacctatga 540
caatgcttaa agaattattg gggcatttat ttttcaatgg aggggccaca aatctttgga 600
aacccttggc caattaccag aagccacttt aatttttgac cgaaaatggt tttaaaaatt 660
ggcttttgga aaaactgtct ctttccccaa aaatgaaaac cttgaaaaaa aggggaattt 720
ttaagggtgc cccctcatta aattttaacc cctctgaaag aaaaccctct tgtgacagg 779

```

<210> 188

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 307

<223> n = A,T,C or G

<400> 188

```

ggcgamgtct ggycaccatc atgcccttta atcaactcac acctgtttta agagtgtttc 60
tgatttgacc ttcacccctt agtttactgg cgtaaaaaaa agtctcagca attttcatta 120
tttctcgtgg gtctcattat caaaccttta cttatttcgg catatttcct ctgggcttct 180
tctagtttct gccttacaag caatgctggt ctgtaaatth attgaaacct ctggaacatt 240
tcacctttag agatggagga tggaaggatt ggyaccagaa gagggctaag atacgttytc 300
tgtcttngag ctgaaagcac agyctactct ccttcgtttt gycgatgaga aaagttgagg 360
ccagaaggga ggtgacatgt ttagagtcac ccag 394

```

<210> 189

<211> 681

<212> DNA

<213> Homo sapiens

<400> 189

```

aagttctgac tttggtctat aaaacagggt tattggctgt ggctgcactc aatatctaaa 60
aagttattag gaagtgcctc gttattgtca ttaaagatat ctaaatatgg tagaccaaag 120
gttggtgaga aacacatatt atggactgag ttctgtttct tctgctgtgg cgcacctaag 180
ctcaagcctt ccttctctcc ctcccccttct ggccggcatg gtatctgagc tcacagacag 240
acaaggcatg ttagaatcat cagatcatga gcaccgtgct gggatttagc cctctccaaa 300
gtcaattctt acagtccata ctttgcttaa atcctcagtt gttgaggtct gctctgctgt 360
cagtaatccc agctataaat ttcccccaaa tgtggggcct agataaagta gaagggtggat 420
ggactcagct tattttcatg ggatgacagg aactggaaag agaaagggca ttgaaaataa 480
aaagttattc cagaatagca ttaaccctct tactgttcaa gaattaagaa agcctactta 540
gaaatgaggg ccttgagaat gatacccaaa tattggtctt tctaccaaaa aatggccttt 600
ccaaatatct gctttcctgt tcccccaattg gctttttaag tagaattaag ttacctaaaa 660
ctttacctga aggggtggtt t 681

```

<210> 190

<211> 839

<212> DNA

<213> Homo sapiens

<400> 190

```

caaatacatg atttccattg gcatagactc ttctatagtc tctcaggcac accttatgac 60
taataagaac actgtcttct agatataagc caagtttttag gagttatctt tgtagtttct 120
gtgttgagac tatgggtctt ccctgtgcaa agacttgatt agcaaatact atttgaaacg 180
atcccaaatt catagtgcag ttgaccaccc ttctgatcaa ggggatctct gtatatccca 240
tgaaagcttc ataggtctca ccctagatta agtgcttcac ttctcaagac agtgaacaga 300
tggaagactt ttgtagttat cattatacaa ctgtgccctg tgtgttttat tatacaacca 360
gagaactgag gcaactggctt tacctgtcag ctacgccagg ggtgtgacgt catctttctg 420
acttgatcac acatgccaca ttgcttaata tttcaagctt agactgaaat aatcctgtgg 480
taaaaaaatt ttgggggggct ggggaggtaa agaacaaggg ggggaacttt ggaatatatt 540
tattcattaa tcatatttcc cgaattgtat tttattttga aatgaccata agggacttaa 600
atacgtattg tgggttaaatt aaatggaccc aaatggaggt aagtaaacct aatgggacaa 660
atgaataaaa ggtttatgac tgggagcatt taccatgaa cctccttaga agctatttaa 720
cctttctttt ggaaagccct gaaggctggg aacttaaatt ttaaagacag tacctatttc 780
cagaatcgct tccaaatggc catgttttaa agggccaaca ttttgggatg gccctgccc 839

```

<210> 191

<211> 697

<212> DNA

<213> Homo sapiens

<400> 191

```

ccatcctgaa tactgatttt ctaatggaac tctattcaat ggcgattgta aaaccctgag 60
gctccgttac tattatggag catactttca tctcattctc ggctattggg caatatgtat 120
ctcataagat ttatcacat ttcacagatg aactgttaat tgattccatg ggtacgatta 180
ggcgagatcc aagctggagc tgcagctctg agtcccataa attctttgtg cttctgtaaa 240
gaataaatct gtttttaatg caaattaaaa ctactggcag ggaatttttg ctcccagtta 300
ttaaaagact ggaaatgtgt aagtggagaa aggcaataac tgcagtaatc tcttaccgga 360
ctctattata attccaaaca tacataatgg tgagaaaaac cgggaaggga agaattgtgg 420
aatgtccact ctttgcccca aacataaccc ttaattttca tggcgggccc aaacactggg 480
aaaaacaaa atggtaccct ctatagcatg caacttttat ttcactccaa acgaaaaatt 540
attttgacta tggcttgga aatccattag tagaagaagt ttataacct ataggaaacc 600
ggccatttca tttctaccaa atcacaggaa ttttagaatg ggcaaggaa ttacaggaag 660

```

acttgcccaa ttatcttttt ttgggggact aaaccaa

697

<210> 192

<211> 687

<212> DNA

<213> Homo sapiens

<400> 192

ctggttacta	tagctttgta	gtataattta	aagtcaggta	atgtgattct	tccagttttg	60
ttatttctgc	ttaggatagc	tttggtctatt	ctggatcggt	tgtggttcca	tataaatttt	120
aggatagttt	tttgctatth	ctgtgaagag	tgtcattggt	actttgatag	ggattgcatt	180
gaatctgaag	attgcttttg	gtagtatgaa	cattttaaca	atattgattc	ttccgattaa	240
tgaacatgga	atgtttttcc	tttatttggt	gctctcttta	atttccttca	tcagtgggtt	300
ataggtttca	ttatagagat	ctttccttct	tttgggtaat	tcctacgtat	ttaatttatg	360
tatcgctatt	gctaaatgga	atgacttttt	aaattttctt	ttcacattgc	tcctgggtgg	420
atattaaaag	ctactgatgg	atgggtgattt	tggattctgc	cactttactg	gaattgggtg	480
atcagttcta	atcgttttct	tatgcacccc	tttacgggtt	ctacatgtaa	gaatatatca	540
ccttcaaaca	cggataattt	gacttcttcc	ccatccaatt	gggaggccct	ttatatcttc	600
tcttggcctg	aaggctctac	ttaaaacttc	ttatcccttt	gttggataaa	cagtggggac	660
aaatggacat	cccttgtcat	ggtccca				687

<210> 193

<211> 493

<212> DNA

<213> Homo sapiens

<400> 193

ctgctaaaat	gatgttgcta	aagcattcct	ttttcttttg	attaaacttc	atgtttacaa	60
aaaaattaat	tctagcagaa	taacgaatgg	ttttgttttc	tagttctctg	ctgaatgaac	120
agttttgcca	attatcttca	tagagtagtg	atataatgaa	tgcaacctca	aatgcaaacc	180
aaccaattca	cagtccatac	cccaatcact	tccttcatca	gcctcaaaaa	tcgctaagtg	240
aaccagtaga	atggtttttg	agcagtaata	ggaaagcaaa	tagaaagtca	agggggactt	300
tcaacgcca	caagaccaat	tcagatcctg	atctgactgg	tttctaatac	aatctctttc	360
cagagtaatg	gagcatgagt	ctgccacaca	gaactttaga	gagagtcctt	tatttcaaag	420
actgtaaagt	tggaagaatt	cattcatctg	caaagtcaaa	tgtcaaaagt	tgtgcttccc	480
actcctcatc	agg					493

<210> 194

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 9, 12, 17, 30, 179, 187, 265

<223> n = A,T,C or G

<400> 194

cyagggcant	tnagcangas	aaggaaatan	mggggattca	attaggggaac	wraggakarw	60
caagttgtcc	stgtmtgcag	atgmsgtgat	tgtatatcta	gamcacccca	ttgtctcagc	120
ccaaaatctc	cytaagttga	taagcawctt	cagcarmgtc	tcasgatscr	acmtcwatns	180
gcraaantca	cmwgcatctt	tatacaccaa	tawcagacaa	acagagagcc	aatcatgag	240
tgaactccca	ttcacaattg	ctacnmaaga	gaataaaata	cctaggaatc	caacatacaa	300
gggatgtgaa	ggacctcttc	aaggagaact	acmaaccact	gctcaaggaa	ataaaagagg	360

atmcaamcaa atggaagaac attccatgct catgggtagg aagaatcaat atccgkgaaa 420
atgg 424

<210> 195
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 12, 29, 35, 36, 38, 42
<223> n = A,T,C or G

<400> 195
tgaacaccct tnggaaggaa cctgctcgna tgtannanaa anggaccgga cagtctgcta 60
aaatcgccct ctttagacgc ggcgcgccgg ggcagagttt ttctctgggtg ctttgacctg 120
tatttggttt aatgggtttg tcctaattct ttcaatcaat aaaattgtgc gtatttaact 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 229

<210> 196
<211> 557
<212> DNA
<213> Homo sapiens

<400> 196
gcggtggctc atgcctgtaa tcccaccact ttgggaggct gaggtgggca gatcacttca 60
agttgagagt ttgagaccag cctgggcaac ataacaaagt gagatcttat ctctacaaaa 120
aaattaaaca aacaaaaaaa caaatcaaca ttcatattgca gggctctttg gtcttcttaa 180
agaacaaaca tatgaaataa ataagctgat tcttaaagat aacaaatata atgagctttc 240
tcaactgtaa aagcatctct aagttgttct atcaatgcat atccactcca tgaactaacc 300
tgaagaaagt gttgaccatt ctaccaatt aactgtaaac taagattgct ttaatggttt 360
gcctaaattt gagtaccttt aaattttttgc tttttatcca aattcattct cccttcttca 420
aattaaatag ttttgttaga aatcggataa gcaagatgta ctttttagaa agggcaatag 480
aatcctacaa catgctagaa tttgaaatgt ttttttaaata cagtmmtttc tctatgctag 540
taactaagaa aattata 557

<210> 197
<211> 624
<212> DNA
<213> Homo sapiens

<400> 197
ttttactacc tatattttaa atgatccctg acgcccctca agacaaatat attaattttt 60
ttactttgtg ggatagagat cagaaaaaga gtagagatga aaatactgga gaaacaatgc 120
aggagatatt tatgaggtga gaatgtcaag aaacttgtaa agggagaata ctataatgac 180
ccctgaagag agagcttttag accagttgag tattagaggt tgccacgtgg ctattcatcc 240
actaataaat acaagaaatt actaaaatgg aagccactgg aaatatgttt tgaggaaggt 300
gagaatgtgg acctattata aatgggtgaa tatgatttct ttctcattaa gttcataaat 360
aactttcaga catgtaacag tttatgaagt gtgccgtagt catttagtat aagttttata 420
cacaaaagtg tttttactaa gactgtcaca ggttcttttg tgaatcttgt ttgtttttcc 480
tcattgtaaa tactgcaata gaacatttgt gtcttaacat aaggcaataa atgaccttaa 540
gaaccttcac ttttatatag aaagtggagg aaaagttggc agagtaattt gttgattata 600
gataaaagct cttgtagaaa ttgg 624

<210> 198
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 198
 tttttttttt tttttttttt ctaacactta tgcattttatt ttcattgtgta agaagaaaaa 60
 cgtaactagc acgtgaacat gactgcatgg atacacggct cagcacgagg cttaaagtcag 120
 aagtgagtga aagcaaaacc gcatgttgat ttaagtgaata taacagaaca gaaaa 175

<210> 199
 <211> 871
 <212> DNA
 <213> Homo sapiens

<400> 199
 ctgttgatca atgatgagct cccaagagta accagcctct atatagtcag catcactggg 60
 ttctcaggaa aagcatcacc attgttcac tttgtgcaaa atgtatgcac aagtatcttt 120
 ttatttttaa aaaagccctg acattttatg actgctgctt ttctaagata ttttcaaata 180
 tacagtcacat acgggttcaga cacaatggac tggggataga gacggctata gtgccgataa 240
 tggagaaact agccagagct tcagatatat gttttccagg acatctcaat aattgggtac 300
 acctcacaat atgtgagact tgacgtcgag tggcacggca tactctggcg caggcacttg 360
 ataaagactg tgtttgcaaa tacttagcct gcacttcaag ataccaggca tctaagcacg 420
 tcccagatgg tgacagttaa tcttcaaaaa accctatgtg gaagtattat cattgtcctc 480
 attttacaga tgaggaaaaa gagacacagg gatgtcaata tcttcctcaa ggtcacacag 540
 caagtaagtg atggaacagt ggctcagcca tgaagctatt gctgttaacc actagggtga 600
 tttgccttca ttaatttctt cctaaaactg cacatttccc gttagtccct ctttttggtc 660
 tgtcgtttga ctcttggtta ctgcttagag gaagattcat tctattattt tctaacttag 720
 taaatatgtg caactccttg gggacatgac caggcaaaag ctggatacag aaatgtatgc 780
 ccaaacacca tccaagtta cccctaacag gtcttttctg gaccctgttt gtaagggggg 840
 tatatttgga aaaattttta aaattttctg g 871

<210> 200
 <211> 737
 <212> DNA
 <213> Homo sapiens

<400> 200
 gacattttga aggtaacagc aatatctgtg tatagatggg gttgtggttt tgttatttat 60
 ctgctattgc tgaactatcc tttgtcttga gcgataaaag agaagtaaaa tactaaagaa 120
 ctgaactgtc catttctgga ccatgagtaa agatgctggc tgtcaaactt cctgttcata 180
 cattagttta tttatagagt gtactctcta tgtaagggtat tgactgataa tgttactttg 240
 acttcagata gcttgcagtt taatggagga agaagacaaa catgcaaata actagggtcaa 300
 tgaggcatcc tttgtgttcc attggaagct aggctgcttt gtaaccttgt taatttctgt 360
 ggtttttgag tgcattcatt agcaaataca ccccttgctt ttatccattc tctgcttttt 420
 tctttatttg gcatttgatg acattttttc atgtggggaa attgagtcag gtgaggtgga 480
 aagaaaataa ggacacgaca cttaaattctt tgatgttttt ccttaaaaaa ttgtttttca 540
 agtgctccat aaagggttgt gaagttttta gagccatagg acttggtatta ttgtgaaaga 600
 gtgtctctag ggggccaggt taaaccattt caaggactct ccttctctca tctcccttgt 660
 tccaccaggg gtggcgaccc ccaaaaagca caaagcctcc ctttcttcat gggaagggtg 720
 aggaacggaa gggaacc 737

<210> 201
 <211> 493

<212> DNA
<213> Homo sapiens

<400> 201

tctagaaatg	cagctttttat	ttattacccc	atttcttttca	agtccttgga	aaataacata	60
ttaagggtag	aagaaattaa	cacatgatgg	aaaagtcatt	gtgacgcaa	tgaatttcat	120
tgagtataaa	ctcatctact	tcaaatttat	ttataaacac	aacctaagat	actcaagata	180
attattttaat	ggtagctct	taagttgaat	tggctctacat	aatgcgtggg	aagaaaacca	240
gatttttagc	cttcttgcca	aatccagacc	tctggttgat	tttcttttga	cagaagatgc	300
aagttatttt	ccaatttcac	aattaaatgt	atttaacatg	aacattattt	tgcttttaaaa	360
actataaaca	ttgtaggaga	attatagcca	gtcttcagtt	ataaccactc	caccctcctc	420
actttctctc	tctctctctc	tttttttttt	gctatgggat	ttaatgggaa	aaatatgtaa	480
aaactgtcac	taa					493

<210> 202
<211> 283
<212> DNA
<213> Homo sapiens

<400> 202

cctttttatc	tcagtgaac	cgtccgggga	cgcaggtggt	ggtgactcaa	ggctagcctc	60
aaagggcagc	cccacctcct	catectggac	cacagagacc	acctgcttgg	cgcgccgtcg	120
cttttccgag	agggtggctg	actccggggg	gctggggctg	gggctgccgc	ccccgccgct	180
gttgctgtac	tctctgcccc	agtcgatggg	ggctgccctc	ggacagcagg	tgacaggttg	240
gggcactggt	acgcaagacc	atgctgcccc	gagaggtaga	tct		283

<210> 203
<211> 713
<212> DNA
<213> Homo sapiens

<400> 203

ctgcttttgc	gcaaggtgcc	actggacgag	cgcacgtctc	tctcggggaa	cctcttccag	60
caccaggagg	acagcaagaa	gtggagaaac	cgcttcagcc	tcgtgcccc	caactacggg	120
ctgggtgctc	acgaaaacaa	agcggcctat	gagcggcagg	tcccaccacg	agccgtcatc	180
aacagtgcag	gctacaaaat	cctcacgtcc	gtggaccaat	acctggagct	cattggcaac	240
tccttaccag	ggaccacggc	aaagtcgggc	agtgccecca	tcctcaagtg	ccccacacag	300
ttcccgtca	tcctctggca	tccttatgct	cgctcactact	acttctgcat	gatgacagaa	360
gccgagcagg	acaagtggca	ggctgtgctg	caggactgca	tccggcactg	caacaatgga	420
atccctgagg	actccaaggt	agagggccct	gcgttcacag	atgccatccg	catgtaccga	480
cagtcgaagg	agctgtacgg	cacctgggag	atgctgtgtg	ggaacgaggt	gcagatcctg	540
agcaacctgg	tgatggagga	gctgggcccct	gagctgaagg	cagagctcgg	cccgcggctg	600
aaggggaaac	ccgcaggagc	ggcaccgcag	gtggatccag	atcttcggac	gccgtgtacc	660
acatggtgta	cgagcaggcc	aaaggcgcgc	cttcgaagga	gggggctgtc	caa	713

<210> 204
<211> 275
<212> DNA
<213> Homo sapiens

<400> 204

gtagacaagt	acagcagatc	cagacaccag	atctagctag	gctaaatgta	cagtatctaa	60
cttgatctga	actgaacctg	tattccttga	tgatgcctaa	aactacatcc	atagaattct	120
ggtgaacctg	taatacagtt	ctgaaagtac	agttttatat	aataagatgc	tgatctcttt	180

attctttcaa gtaagagtgc tagagaacaa attgtgttac ttgccttggg atttattgaa 240
cgtctggaaa atgctgtctt cctagatcca aacag 275

<210> 205
<211> 694
<212> DNA
<213> Homo sapiens

<400> 205
ctgttcctgt acatttaact gaaaaaaaaag taacttaaaa taatataaaa atagcactca 60
tgtatgtcct acagttatag gtgaaatttg atattgtttg tcttacatag catacctata 120
gacagcttaa gtaaagtgcac tggttaagagg gttatgctta ttgatgaact cttgtagttg 180
cttaccagct ctgttagtat agttaaatg atctcagtag cttcaagtat ttataaaatg 240
gttgaagtcc aaatacatgt gataattaca atacactttg aattaatgga ggggtgggagg 300
ctagttgaaa tgcattttat ttacccaagg agtatgttaa aatgatagtt ataaatgttg 360
gaagttttaa gcaagatact cagtttagtt ctttacaat cataagaaga acaaaattag 420
atgttgacat tgctatttta ggctgtgtgt tttccatatg cttcttgctt tccctgtcac 480
aggtggtggc agcaatattg gtgtgattga gggtatgctg gcaccactcg cacacaggcg 540
cacaatgggtg ttagctgggc agaaagagtg gcatctcttg ctaccgggct gggggcgacc 600
tttaccatag gatgaagtaa ccttgcattc ggctgcaagg tgtactgtac cgtacacagg 660
tgctgggtcg atggccactt tctgcttttc tttc 694

<210> 206
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 12
<223> n = A,T,C or G

<400> 206
tttttttttg gnaaaaacag ggtttcatca tgtttgccag gctagtctca aactgctgac 60
ctcaggggat ttgcccgcct cacccaattc aactttcgta agtcagtatt taccatctaa 120
ctcagtgtcc caaaatttaa aatttccttg cactttacag caaaaataca tattggggct 180
ctactgaagc aatatatata tgtcaaaact aaaaatcaga aaagcaaaag ggtccattca 240
acatatagca gcttatattt aaatatgtac aggtatgtat gttttcacag ttagatcttt 300
aaaaaaattt atatttgata tgttcaaaaa tacttctatt ggctataaat aatattttta 360
aagctcaact gatcaaaatg cattccaaga acatatcaaa tttaaataaat cttctacgtc 420
tttaaaaaca gataattgaa gtcagtaaag cttgaggttt gtgttaagtg tattctgtca 480
gtccctacta ctagggaagg cagaatcttc taaatacgat acgaaagaaa ctcccaaagc 540
ttggaaggaa tcggcagctc ctgaactttt tggggggggc atccctcttc gggattgaca 600
tgcgacataa atgttgcaag ctaagggacc cccccgggg gagtgggccc caaaaaaac 660
cacaccttcc ccgtcaatgg tgggtcccc accaacctta aaaa 704

<210> 207
<211> 225
<212> DNA
<213> Homo sapiens

<400> 207
ccattttaac tgtactgcca atagaattct ggaattgtgg aaaattgtat cattgaagtt 60
cagtaggatg tgtggcttaa aaatttatca ggaccacaaa aaagaaaaca aaaatatttg 120

gtactgaggt tcattgccag ggcaggaggt atttccagaa aatactcatg cctgtgttct 180
gttccttgct ttcccaaata ctgcatgtga ctttcctaag cggca 225

<210> 208
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 382, 391
<223> n = A,T,C or G

<400> 208
cctatatcta tcaaaaaaaaa tccagttcct aactaataat ctccccaaaaa gaaagcacca 60
ggaccagatg atataaatgg caaatttttt caatcattta aggacaaaat aataccaatt 120
ctgtatcatt tcttccagaa cacttcctaa ctcatcgtat gaggccagca tcactctaatt 180
agcaaaacca gataaagcca ttacaagaga gagtgacaga ccaatgtggt tttattgagg 240
atgcaaacaa aatttaacat aatattttaat agtgaaaaac tggatgctct ttccctaagt 300
tagagattaa ggaaagaatg tccccttcac tactcccata caacacctta ctgaaaattc 360
tagctagctt tataaaataa anaaaaacca naaaataaaa taaaagggtg acagactgga 420
agatacagtg aaggaggaag aaataaaatt ttctttgcgc ataacatgat tcttctatgt 480
ggaaatcaca gagatttgaa catttttttt ttttgagaca gtttttgctc ttgttgccca 540
ggttggagtg taatggcgcg atctcggtc actgcaacct tcacctcccg aattcaagggt 600
gattctctg ccctcagcct tcccggagta agcttgggga ttaacagggc atggcacccc 660
ccatgcccc agctaaat 678

<210> 209
<211> 720
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 366, 399, 406
<223> n = A,T,C or G

<400> 209
attattttga accctagcat ttagaaatga aaaacttttt ataacaatca aatacatgat 60
aaagtatgca aagagtagga aattattctg atgacatatg gagggttaca aaggagaaaa 120
ctttttgcta cctctgataa agaatagact aaattctcca agaccaatct gactggtgtc 180
ataataaaag gaggtacaca cggaagcaca agggatgtgt gcctctggag gaaagggtcag 240
gtgaggactc agtgagaaga caagccaagg agccagggtc tggagaaggt caacctgtt 300
gacaccttga tcttggaact accctgtgga caccttgatc ttggactttt agcttccaga 360
actgcnagaa aataaatttt tcttggttaa gccaccana gtgtantgtt ttgttatggc 420
agccctaaca aattaaaatt atattttaac agagaatata aaattctaatt ataacatttt 480
acagtaaagc attcatggc ttttttttct tattaataaa tccatcaaaa cagaaagttt 540
tgcaaaattt taacacattt ctctaccact actgtttcta ctctcttaaa actactccgc 600
aaatataaaa atagaaggcc aaaatgcac attaaaacga tgtttgggga ctaatggcct 660
taaaattcta ttacacttgg aaatatacaa atattcaaag attatctatt gatcacctca 720

<210> 210
<211> 277

<212> DNA
<213> Homo sapiens

<400> 210
tccatgtatt tttatacaga atggaacaat atgtatgtat gcaatyktta cattccacca 60
tgaaataaaa cagtataatg aaaataacaa tagattcaaa caatgatatg ctatTTTTTT 120
ttacctatga cattggcaag gtcttcttaa aaaatctgcg aataaccgat gttggagaga 180
tcatggggaa atagccactc aaatgttact catgagagtg tacatatgtg taacttcact 240
tgaggaggcaa tttggtgata catttaaaaa gttttgg 277

<210> 211
<211> 715
<212> DNA
<213> Homo sapiens

<400> 211
gtggtagaaa tactaatttt gcaattacag aaaaaaacia atgccattca catggttyct 60
aacaaaaagt gtctgaccac cccaccccc caccctcaa aaagccctta aataaagagg 120
aagatcaaaa gaaaacaaaa taattcccga gtttcacctc atacatacaa tatagcacag 180
gaagtggcaa agttttaaata aatgccttta ctgttaggac tagtatgctg tcaaaagcca 240
caatcctttt gtttttagtga gttgattttc aatagaaaaa tacaatatgaa catgtgttta 300
agttccaaca tggattgagc acctctgaat ttagtatcaa atgattaatt ttatTTTTTca 360
gatgtcaaat cttagtataa aattttccat tatttttaaac ttcacttgaa tctttaaaaa 420
agctgtctaa attgtactat atgagttcag tttaatcttc tgtaaaatgc taacaaattg 480
aactgtcagc agtcttttaa aaaaaaatgg gggctgggtt atttctagaa gaactctcat 540
taagctttga aaatcagaaa tcagagacaa ataacttcag atatagacta gctccacaag 600
caaatttata caattatctg taacagtcta tacatatatg tgtatatata tataccgtaa 660
ccactttcat aggtaaaaaa tattaacttc atgtcacact atgatcagaa gtata 715

<210> 212
<211> 717
<212> DNA
<213> Homo sapiens

<400> 212
agcctcccc aatgccttaa aaggtcacag tagatctcag ctctgaacag aaactcaact 60
gaaactcttc ccacaacca gcagtagata tattaaaacc tacaattttc agggatacaa 120
ccaatattta attcttttga gggttttgtg tttaatacaa ggacacaaac acacgtataa 180
aatgacgatg tcaatactga ttaaacagaa caacaaaata agaagctcaa attatcatca 240
gctattgtgt atatctgaaa taacaataat gcacttgatt ctgaaagaat gattagagtt 300
cctactctga aaatctaatt gtcttgatgt ggcgaagtga gaagaaagga tgatttttct 360
aatgaaaagc atgtatacgg gtagcccttt gcgagattct gtcaaaacc tgaattttgc 420
attagctgtt ttaccacca aacgttttta cccgaggatg tgcagcaatg ggaactctca 480
tacactgctt gtgggaatat aaatcagtat aaccactttg gaaaaccatt taacattgtc 540
aactacagct ctacacacaa gtgctataac caccatttcc actccagggt atacacccta 600
aaaatatgaa gtgcccatgt ctacccaaaa ggccgcctaa aaggaatgct tttgagaagg 660
gttaaccttg ttaattagtg gcaaaactgg gaaaacaacc cccaaatggg cccatcc 717

<210> 213
<211> 599
<212> DNA
<213> Homo sapiens

<400> 213

```

cctgttttgg cgaggcagga gggaagcggg atgggagtg tggtaggcc aagggtagtt 60
caaagcgatt cagcaggatg atgaccacag gaggctgga gccgggcctt tcagcccccg 120
tgtggatgat gaccggccat ccaggacatg cgagggcttg ggacagtgga cagccagtgc 180
cacacaagga aggaccgatt aaatgacaca gttaaaggaa tttggcctag ggagtgcaag 240
ccagaaaggt ttggtctttt tatatatgta acattggaaa aaaggaacat ctcctgttcc 300
ctgtattaag ttttgacttt agctcagcaa atgcagtgtt tgtggcagta aatatactct 360
gataacaatg ttctttccca ggaatttaga gttttatgat ggttattgaa aatgtttaca 420
tgacaggctg tcaataatat tttttgcctc taaaaataaa acatacataa agtgtacgga 480
ttttaagtat gcaactcact gaacttttca taccgtaata caccacccta gtaaccctcc 540
cccagttcaa gatgtagact gtttccaata acccctcatc ctgttcctta atagcccc 599

```

<210> 214

<211> 789

<212> DNA

<213> Homo sapiens

<400> 214

```

ccttatgaca aaccttgcta tgccaaggat atgcttctact atcttcatct atcaaaacac 60
tatgcatcat agatatctaa ttttttcatc tcttgcataga agtctttcct gattttccctc 120
tgctgaaatt tctctcttca aatgatgtgt ttccatagta ctttgtccct tttcaaagat 180
atatctcaca tcgcatattt taccacagtt agtttcatct cttactctc acactagatt 240
acaaagtcaa tatagacaaa gaaatgttca accttatata acctcctctg cctatgctgg 300
taaattgcac ctactatgtg ttcaataaga gcttgtcttt ttcaatatac aaaactttgt 360
aaagattaaa gacctttagt aaagtcaaga ggaagatagc aatttctact ctaagaactt 420
accctaagga aacattcatg aagagataca aggggttatg tgcattggatg ttcattatca 480
tattattctt cattatgaag attatgatgg taataatgaa aatgattatc ttgtattggg 540
ccttatttga agtcaagcat tgagaatgta ctttatctgc attatctcac tgagttctcg 600
tagcagccct ataaggtaca gactgttata taagcttaaa aaaataaagt taatgtccaa 660
gggtcaaaca ctagtaaaaag aagggggcta ggaaatttgg aaccccaaaa ggggcaacct 720
ctcaagggtc atgaatcctt accattatta taaggaagct tggcccatgg tggcccaaaa 780
aaaaccggg

```

<210> 215

<211> 765

<212> DNA

<213> Homo sapiens

<400> 215

```

ggatgtctga gcaggagaga gaccatgtga aggatggact gaatggagac ttgtatcaaa 60
gagtctgagt atcaaagact tgtattagag aggggtgttg tagtaatcta gtcagggtat 120
gagaaatggg ttgtattaga gtgtcaggag tagtcgtggc aaaaatatat agatcaggat 180
gagggatggg cctcatctca caccctgact ccagtcaatg gcagtggctc cctggagtag 240
actactatag gaaggatfff gtaaagtttt gtctggcctc agtggagggt gaggtagggg 300
aggagttcta tgaacagtta gtggtgtctg ccatggttga aacaatggag aagggggaca 360
ccttttctgt gcagatgttg cttctggtag atataatcca caatgtaatg ggagaagtac 420
taagaatcag taaattatgg aggggtgtaa agactactga tatttaagcc tgcggaccgg 480
acttagagaa atgatagtta aaggagaaat atccagcaaa caaagatatg acattgaagt 540
ttgggactgc gattagtacc agagatttgg attggagggt atttgtatag aatggatagg 600
tgattttact cttgcaattt ggattgaggg gtggggaaaa ccagaaaggg gctggggggg 660
aaattagtag aaggtcacct tgaattcatt gtggtccata tcaatgctga aactgattgg 720
ggaacttttt actcttgagt ccctttgtaa gggaacccca gaaag

```

<210> 216

<211> 780

<212> DNA
<213> Homo sapiens

<400> 216

```
cctttttctg tggcaaatgg aggcttttca ctgcctgtag agacaataca gtaagcatag 60
ttaaggggtg ggtcagaaca tgtaagata acttactgta tatgtattcc cttgtatttt 120
gttaaagctg gaacatttga tttttttcca tttatttatg aaaaaatatg aacctatttt 180
catttgtaca aggtaattgt ttttttaaagc aagtcacctt aggggtggctt taattgtata 240
agtcaagcac atgtaataaa ttcaaaacct gcagttaaca ggatattaga catcaatcct 300
ggtaaccaa tattaagat tctcttttaa aaagactgaa catgtttaca ggtttgaatt 360
aggctaaaag gtcttgcagt ggcttttcat ggcccttcaa attggaatgg aactactgta 420
ctttgccatt tttctataaa tcagtacttt ttttttaatt ttgatataca ttgtgtgaaa 480
aaagaaaatg gctaataaac tgtattaaat cttaaacaat gtataaagat tgcacttagc 540
cagttcaaag tgtataactta ttcataatga attataacag ttatatcttct gtgttttctt 600
gtaaagtgtt cttttccctt aaatacagat aattcatttg tattgcttat tttattatga 660
gctacaacaa aaggacttca ggaacaagta atgtattagt atgggtcaag attgttgata 720
ggaactgtct caaaaggatg gtggttattt taaatataaa tagctaattg ggggtggtaaa 780
```

<210> 217

<211> 810

<212> DNA

<213> Homo sapiens

<400> 217

```
cttttaggca gcccggcacc ttcatecata ggcagagaga gaactgggtg ttggagactt 60
attcgagggg ataggaaggg ccctgtgaag ttgatttaac ttttgatgt cagactgtga 120
aagctcctga gaaacttggg gtaataggat cttcttttgg ggatgaaaat ggggaaggcg 180
tgaggacctg gactacttct ccctaggtca gaaaaagaga attaccctt gacaaatatg 240
atacctgcta ggtatttccc agggaaattt agggattggc gtctttccct agcatgtgga 300
ggaattggca gacagcttcc taagggcggg gagcgggggc ccaaggctga cactgcttgc 360
atccacgtga ccttaagtta tggcagatga ctctgaaacg gactgaggcc aatgagaaca 420
gatggatgga gcactcaggt tagacttggt ccttctccta tgctggagga gagggatgg 480
tctctagaat gttggaggtg agttgagagc tcgcctcttg aatgttgaac agtgtactct 540
tctgaaaact gcatattcac tttatgtggg ttcagaatac tgggctcaat actaacataa 600
gaaagacact tcattgagaa attcttaagc ttacagaaaa cctatctctt tgcacattcc 660
acataacccc tagcaaaatg caggttcttc atacttctgt cttttttcca ttggaagaat 720
tgcttaagga aaaattaatt cctatttatt cccacaaaag gttgggcatt gctttgattt 780
taccatcatg gggaatgtgc ctttgaattt 810
```

<210> 218

<211> 817

<212> DNA

<213> Homo sapiens

<400> 218

```
ctgctccctt atggaggtct cttcattaat aattattgga tagatagaga aggtgagcct 60
gtggcttcca agtaccggct tttgctgaag gtctacatgg gaagaagagc atcatttgat 120
attcagtaga tctgccacac ccaactggct ccatctcctg gaaaacagca ctactacaa 180
gcaactgtaa tagcaccag caatgaccac gctgctcctg ctggctcttc cgtacaccag 240
taaatgaact caccaatgta ttgcacacat acatttcaca gtagtacaat aaagccctgt 300
atcaggagtg gtaattcaat gacttgactc tatagtgcac tgcagcttta tgtcatacca 360
acattcaa atattcaaat ccttccaatc catttggaaca aaaatacacc atggctgcca 420
agacacatgt atttttcttt cttccatgga ctctaaact gctcccacaa tcagcagtg 480
```

```

tcttctctca gaaattatct taagcttctc tactcaatgg gaggtacaca cagagacctg 540
agaatatgca gaggccagaa tctctgtctg tgctagagat caactgtact ctgcccacct 600
ggggaacaca tcctctgggt aaagtactcg gaagtaaatt acattccctg gagacagata 660
cgggctttca ctgcagcctg ttagaaaaca caatgtctgt aagttacctc ataggtcaaa 720
gagttttgga ttatatTTTT cataatgggg ctatggcctt tttaccctgg ttttaataca 780
gaaccacctg cagaaaggac attgaaatta aaagcca 817

```

<210> 219

<211> 661

<212> DNA

<213> Homo sapiens

<400> 219

```

ggatgctgag gcaggaggat tgagtcctgg agtttcagga tacagtgagc tatgatcatg 60
ccattgcact ccagcctggg caacagagca agattctgtc tctaagaaaa ggaaaaagaa 120
aatgaataga tagtggtatt agatgttaat gacatcagtt gtttttattc tttattcttt 180
cttagaaaca gattagtttt ctggaattaa agaactacca tttttctttt ttctacaact 240
ttcaagagct ggtgaagaaa tgatgttttag atttaataga tatagtagca gtcatatatt 300
aatagaatag aaactgagac tctaggaaaa agatagacat gagataagga gtaggcatgg 360
tagacatttc tagattattt atgaaaatgt tgtagaattc attttttttt ttgggtctgac 420
ctttggcaat ggtgctgagg aagggaaagc cagcccatca ggcaaggctc tgttttctgc 480
attttatccc gtttgattct tctcgttagg attggagcaa ataatttcaa tatgttcttc 540
gctgggttta tcatagtac ctttcattta aagggacttt taacaattga cttaaagaac 600
actgagatgt gatattttat tgggatttga aagttgccat tgggttttac cttccttaat 660
t 661

```

<210> 220

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 169, 171, 172, 399, 400, 401, 402, 643, 666, 724, 727, 731, 755

<223> n = A,T,C or G

<400> 220

```

cctcttttta ttcctacaaa taattttcaa gtacacacaa ttgggtaaac aaagaaacaa 60
agccaccaag aatgaaaatc agtaggaata acgaacaaga ctacacagatg tcaaacaagt 120
ctgtgggtct tgcagacttc agatgttgga attattagtc gtggcaagng nncaaaacat 180
tagctattac cattatgttt accaactagt gaagtgaact atgagaggat atattaacca 240
cagaagttaa tagaagaata gactcctgaa aatatctgga tgctacaaac taaaatatag 300
tatataatcc ttcatagagt gtcagtgact tcatatttat aattacattt ttgtatatta 360
gcagtgttct agttcttact gccttatctt taagctgann nnaaataaaa ttatatTTTg 420
ggattcaaaa acacatagct aatgattact atgtggcagt gttacattac tttatcacat 480
atcattaaca taatctgcat gtgttcaaag agatcttcat acttctttgt agctcccact 540
tctttgtcgt ctttgtagct cccacaacat ctagaacagc acaaccgtat atggagaaaa 600
ctcagtctag tattcgttga atgactaatg gaaaatttag ttnataaaca gaactttctt 660
cattgnacaa attatcttgc agaagaataa tggccttagt ttaaaattat catatttacc 720
catntcncca ngttatttta tctcttttgg ctaanaattt tgaaaacggg accttttacc 780
ctttggcatt tt 792

```

<210> 221

<211> 759
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 245
 <223> n = A,T,C or G

<400> 221
 cttttctgct gctccgggag gtggagtggc ctggcagagg gcacatggct gccacctgct 60
 gcaaggaaaa ttctcagtga agactcctca gtatgaagga gataagcctg cacaatcagt 120
 cactgataga tgcttagtgg aaaaacttcc aattcccatt tacagctctc agagctagga 180
 ttaaaaactc ctggtcataa actcatgtga tgagaagtta tagcacgccc tcatttttcta 240
 catanccact tgcatttatg gttggctttt gaacttgcta gaagggaag aagtgcaa 300
 gtgtcctcct tagagctact ctctcccctt tgggtgggtt ccagtttgtg cattgtccag 360
 atggcccagg agctgacgat caaagggaag aagtcatgtt tgtcatgaga atgctttgct 420
 gcatcaggat tcagtgaagc tgttcaccgc ctggagccca tgcagcctca agaggcagga 480
 tggagctcag aaaccatcac tgaggttaga aagtgagcac caaagttgag ggaagcccac 540
 aggagtgage cgaagtgtc cctttggatt tccaaagtgg gtgctgctgc ttcttccatc 600
 agccttgctt ctgaccccaa tgcgttcctg gtgccttctt cttggcattt tgctgtcggg 660
 ggccaagga aaaaaattcc tgcattggcag tgggtgaaaa agatggctgc ctgctgaaac 720
 ctgatttggc ctgggtaagc cttttggagc cccggttaa 759

<210> 222
 <211> 699
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 7, 77, 81, 84, 85, 278, 289, 291, 298, 301, 368, 395,
 433, 441, 508, 569, 633, 646, 667
 <223> n = A,T,C or G

<400> 222
 ccttntnaag agttggcatt aattcttcac taaatgtagg agtagaattt atcaggtaag 60
 ccacactgac ctctggncct nttnncgccc gatgattttt aattagttga atccctttac 120
 ttgttatata tgtattcata tattctgttc ctctctggat ttacttttat gattggtgcc 180
 tattgaggta tttatttcta gtttgtggta cttcatgtgt ttaggttttc tagacagtgg 240
 acatagaaga ttcaagaagc taaatgtagg agaatgtnta atgtaggana ntgaggcnac 300
 natatcatca atgaatgact tgaagtttcc tctgttgtaa agaatgatat taccataact 360
 gccatagnta atattgatgg tgtaagtcaa ataanaaggc aggaggaaag ggacatccat 420
 cactgaacca canatcagag nctcattgaa gcctttgaga agaatccaca aaattttaca 480
 ggataattca tttcctgcga tcaccacnag aagagaaact ggtaaacag acaggtattc 540
 cagagtccaa aaatttacat ttggtttctg aaccaaagac ctgagctccc aggccacagc 600
 aaaagggggc ttatgaattc cctggcaccc agncccaaga cccaanaacc tcattctgat 660
 tgggtttnggg cttgggaaac caaaaaacca atgggtggc 699

<210> 223
 <211> 598
 <212> DNA
 <213> Homo sapiens

aaaaagagaa	agtttcagat	ttgccattca	aggcttattt	atatatatgt	gtgtgtatat	60
aaatacatgc	acacacttgc	atacatatat	attttttggt	gggggagtgt	gagttttgcc	120
tttctaagg	agggaccg	caggctcctt	tgttctgtat	tctggcgag	atgggtcctg	180
gccttgtgtc	actggcttat	ccttaaagat	catctcccat	cctccccagc	gccatctgtg	240
tgcagcaacc	agaaagggat	gaacttggcc	ctcttgcg	cctggacaag	gtctcttcct	300
taccctttct	gttgccagtc	agcaacctgt	aactcacatt	ctcttcccag	tgaatccctg	360
ggagcgctg	accctggtgg	gctgttcagc	ttcctgctgc	tggggccagc	aatttttgag	420
gatttatctt	taggccaggc	ttgcctccgt	acttatccct	gctctcccat	ttctctcttg	480
tttgagagag	aatgaggaag	caaagagtga	gaaagaatag	gggctgaaga	cgccactccc	540
agatggctct	ttctatcctg	ctcttctgtt	gaaacacacg	tgctgtgggc	ctcaggcg	598

<213> Homo sapiens

$\langle 223 \rangle$ n = A, T, C or G

aaacctttat	gatgacttcc	ttatgaatta	ctgaacgaac	actggaatgg	gactcaggta	60
tcttgaggac	atctctcaac	tctggcctta	gttccccctc	tgtaaaatta	gggtgccaac	120
taaatgatct	acaagggtccc	ttccagcgcc	gccattctgt	aattacatca	tgtgtaactg	180
tattaaacat	acacaagtga	ctgccaggca	tgggaatgta	acttccgagt	aatgctttg	240
gtttgttcag	aatacactat	gaacttcttt	ccaaagacgg	gttggtgtaa	atagtggata	300
ttttgattat	aagaaataga	gtttccttga	agcttttagct	ggagatacag	caatagtgtg	360
gtgttcctac	aatatcaca	gtgtattcaa	acataTTTTT	ctatcaaaaa	tcattttttgt	420
aaaagctgtg	tgtttttatc	caacttgtga	taataaatgt	tctttatttt	agaacaaana	480
aaaaaaaaaa	aaaaaaaaaa	a				501

<213> Homo sapiens

cctgtatagg	gctcgtttcc	ccacacatgc	ctattttctga	agaggcttct	gtcttatttg	60
aaggccagcc	cacacccagc	tactttaaca	ccaggtttat	ggaaaatgtc	aggaaaaaaa	120
aaaaaaaaaa	cacatgcact	cacacaatac	ccaaacatca	raattagaag	ggcataaaac	180
aggggggctt	ataggctgaa	aaatatctta	ratttcaraa	cagaatacca	atcaaataatt	240
gaaaattcct	ttgttcaaaa	cacaaagatg	ttttgttttt	aatgggagtt	ttttt	295

<213> Homo sapiens

agattcctgg cttagagcat gcgagcattg aaggaccaat agcaaactta tcagtacttg 60
gaacagaaga acttcggcaa cgagaacact atctcaagca gaagagagat aagttgatgt 120
ccatgagaaa ggatatgagg actaaacaga tacaaaatat ggagcagaaa ggaaaaccca 180

ctgggggaggt agaggaaatg acagagaaaac cagaaatgac agcagaggag aagcaaacat 240
 tactaaagag gagattgctt gcagagaaaac tcaaagaaga agttattaat aagtaataat 300
 taagaacaat ttaacaaaat ggaagttcaa attgtcttaa aaataaatta tttagtccgt 360
 atgaaatgaa at 372

<210> 227
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 227
 ggcccccgctc gcgggagccg cttcgggcct tctgggcatg tctgccatat ggctccaggt 60
 ttgttttttct ccccggcact ctgacgggga gggctcccgg catctcctgg catccgggta 120
 gaggacgcgg aggatgctga gctgctggcg cactgcagca caactagaga tgtacggatg 180
 cccccatctt gatcttacag aatcagaggt acagccgcga gaaagagtca agaacagaca 240
 gagtcgcttg aggactcagg aggggtgtttg ctgcgttgac aacagactac accctcacag 300
 tttgctctgc tcttccaaca ccagtggag atgatcacat cccagggatc agtgtcgttt 360
 agggatgtga ctgtgggctt cactcaagag gagtggcagc atctggaccc tgctcagagg 420
 accctgtaca gggatgtgat gctggagaac tacagccacc ttgtctcagt agggatttgc 480
 attcctaaac cagaagtgat tctcaagttg gagaaaggcg aggagccatg gatattagag 540
 gaaaaatttc caagccagag tcatctggaa ttaattaata ccagtagaaa ctattcaat 599

<210> 228
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 228
 aaagtaaatt gtatgaaaaa ttcatttctt caattgcatt agccacattt tgagtattca 60
 tgtggctggt agattctgta ttagcacaaa gatatggaac atttccatca ccacagaaag 120
 ttctgttgga cagcactgca ttagaatatt ttcatactgc tcttcctcaa ttaatttttg 180
 ttgttaatgt tgatgtcttc attggatggg tcataatgtt ccatgaaacc gctcaagtac 240
 acaattgtat gttctttgta tcccttacca caaatatctc gctctgctca tttcttttgc 300
 agcttcctat aaagtttgtc ttcttcaaaa aaaaaaaaaa aaa 343

<210> 229
 <211> 417
 <212> DNA
 <213> Homo sapiens

<400> 229
 ctcaagctgc agtccaccgg gtatgggttct ggatgggttcc cccaagggag caggatatgta 60
 ggaggtgaag aaaactgaga tttcaagtat gggagagttt ttactatctc cattcctgga 120
 ttaaaagtgc tgaaaaagtc cacagttaaa cattccttta ttcaccctat ggctcccaag 180
 aaaagcattc ttctctgga gtactggtgt actaagggga caatacacca aatttgttga 240
 gtttacaatc aagtctacta aggttgact tccttatcag tttggcagag tcccagggca 300
 gaataatcat ccatctacag gtctctgttt cctctccctc cgcagcagtg gagagcatcc 360
 cagtgttttg ggcactgtgt tcctcttcgt ccctgcacca gaccctggaa gccttg 417

<210> 230
 <211> 462
 <212> DNA
 <213> Homo sapiens

<400> 230

```

gaaataccag aagagaaagt ttcattgtgc aaatctaact tcatggcctc gctggctgta 60
ttccttatat gatgctgaga ccttaatgga cagaatcaag aaacagctac gtgaatggga 120
cgaaaatcta aaagatgatt ctcttccttc aaatccaata gatttttctt acagagtagc 180
tgcttgtctt cctattgatg atgtattgag aattcagctc cttaaaattg gcagtgctat 240
ccagcgactt cgctgtgaat tagacattat gaataaatgt acttcccttt gctgtaaaca 300
atgtcaagaa acagaaataa caaccaaaaa tgaaatattc agtttatcct tatgtgggcc 360
gatggcagct tatgtgaatc ctcatggata tgtgcatgag acacttactg tgtataaggc 420
ttgcaacttg aatctgatag gccggccttc tacagaacac ag 462

```

<210> 231

<211> 328

<212> DNA

<213> Homo sapiens

<400> 231

```

ctgtgggttt tcctaaacgc ccctcatctg gttgaagccc tagtgtttct ttctcacatc 60
agaggcaaat gcattggggg gggctctgggt tggacaataa atttcctctg gtttggacca 120
agaaaaacag agttctttga ccgctaacat atatgtaaaa agaaagtttg taaaaacaag 180
agttaaaatg cttctaacag tgtggtcac cactgcacagg acactggaat tggcattcgg 240
ggttgtgtct gtccatgtgg tttcgttgta tgtcatgtgc tctcagctca gacagagaca 300
tccaattgac ttctgacttg gggcattt 328

```

<210> 232

<211> 595

<212> DNA

<213> Homo sapiens

<400> 232

```

cgccaatttt agcaaataag agattgtaaa agaagcagat tgaatgaaga atttttagct 60
gtgcagatag gtgatgttgg gatggaaaat gctaatcaac taccctttct tttatcaagt 120
aattaaaata aatctacata aagaaccaa aaggctgttt tataaaagtg aaatatccag 180
tatttcagag ggccaggcaa gagcacttca gatgaggcag tcaaaatcat ttttttccag 240
tgaggataga ccacaagtgg gtggtgagac cattgaaagc ctttatcaac tgaagagtcc 300
atttaacagc ataatttgtg ggaagactgg aatagggtctg aataaatgtg tttgaatctc 360
taattttata ctttcttttc ctgaggaact tgatttttct gtccctggat cgccttgtca 420
taattgggtc tgttcctttt actaccactc ttgagtccat atatgaaatc attaaagttg 480
gatgatcagt tttttataaa aatatatatt tttgtccaag aaaaaaaaaa gcatacatat 540
gtgattatgg ctaaatacaa ggtaactgga atgtatatac ttttgctaag gttcc 595

```

<210> 233

<211> 600

<212> DNA

<213> Homo sapiens

<400> 233

```

atgaaggtaa actctaaaat cttcataggt caacaaagaa aattttatcct tcacacttat 60
ttctagaaag cagcagggtt tatttcctag attgcttaca atgaagctag aatatctgcg 120
ataactgtag agtttcaaaa aggatcccta gggctacttc tacgttctcc ttaccagttg 180
agcactctcc ataatttcca gacgggtcat gggggagaat gatagaaatg agcgtgggaa 240
gaaagacaat gaaattagaa atgggtgaga cacatggtgg tagaatgcta agagcaggga 300
tcaggacaat caaccagggt tctaggaagg gtcaagtcac cagtgtcatc tgctgaccaa 360
tgtttaggaag aaataaactc aaaggaaaca ccacattttt ccaattaaac tcaaatctat 420
tgacttgtgg tggttctttg atgttgtggg gactgctata acagaaacca attggatttt 480

```


caagggcaag aaactttgcc actgaataag atgatgtcat ccttcctgat aacaaatagg 540
aatgggtggt cagctctaaa cagcgtggac tgagggagtt gcttttctac aatattactt 600

<210> 234
<211> 500
<212> DNA
<213> Homo sapiens

<400> 234
aaattcctaa ttcttttact atctttctcaa cttttcccaa agataaaata aatttcacat 60
aatttcacatg aggggaaatg gtagttgtaa aaaactacct caagtagcaa tcaccgctgg 120
cagtgttttc tcactttctg ttctgcaatt gcaatcacac ttccaaaaag aaaagcaaata 180
gtttgctaaa ccatagacag acaacctctt tgtgactggt attataaggt ttataatgaa 240
aacttatcaa atataaaagg tgctccctct tgaaaatgtg tattttatatt gaagttttga 300
gtaagaggtg agtggtttggc aattttcaac actcccctca aaaatctccc aaagttgcaa 360
aaaagtcagt ttagtaaaat tccaagcact taaatgcttc attgagggcc agttgatata 420
cgcaatgcac taatgtgtaa aaattaaccg aatgcaacta ttttataatg gagagctctt 480
accttttctt tccagttttt 500

<210> 235
<211> 159
<212> DNA
<213> Homo sapiens

<400> 235
aaaattttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 60
caactttcag gccacagttt tgaaggctctg aagtattaaag ttgggtttgat gaattagtcg 120
gttggcactt acgaacacat ttattgcctt gccatcttt 159

<210> 236
<211> 254
<212> DNA
<213> Homo sapiens

<400> 236
aaataagtga ataagcgata tttattatct gcaagggtttt tttgtgtgtg tttttgtttt 60
tattttcaat atgcaagtta ggcttaattt ttttatctaa tgatcatcat gaaatgaata 120
agagggctta agaatttgkc catttgcatc cggaagagaa tgaccagcaa aaggtttact 180
aatacctctc cctttgggga tttaatgtct ggtgctgccg cctgagtytc aagaattaaa 240
gctgcaagag gact 254

<210> 237
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 497, 505
<223> n = A,T,C or G

<400> 237
tttttttttt tttttttttt tttttttcta atttttactt tttctcaagt ttaatgtara 60

```

catacaaraa aacatcaagc aatgttttatt gkgcaattcc aatcattatt tgcaraatct 120
tggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat 180
ctggttatyt acctataaat ttcattggat ttytttaaac actgaagtac taaaagcact 240
gatgatttgt attataaatt ttaaaatatt taaaacctac acagatttca taratcattc 300
cttttataaa ataatacaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc 360
cctttccagg tatyttcaat ctctgtaaaa ccccaaacc caaacagagt aratgatgaa 420
ataaggattt ctcaagtggc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg 480
tttttcatgt ttcctgngaa ttcanagctt acagggtggc tcaaaactca aatctctggg 540
atggctttac atggctttca ctttgatttg tttcattttc atttgcttct t 591

```

<210> 238

<211> 252

<212> DNA

<213> Homo sapiens

<400> 238

```

aatggcttt tgccacatac atagatcttc atgatgtgtg agtgtaattc catgtggata 60
tcagttacca aacattacaa aaaattttat ggcccaaat gaccaacgaa attgttacia 120
tagaatttat ccaattttga tctttttata ttcttctacc acacctggaa acagaccaat 180
agacattttg gggttttata ataggaattt gtataaagca ttactctttt tcaataaatt 240
gttttttaat tt 252

```

<210> 239

<211> 153

<212> DNA

<213> Homo sapiens

<400> 239

```

ccacaataaa gtttacttgt aaaatttttag aggccattac tccaattatg ttgcacgtac 60
actcattgta caggcgtgga gactcattgt atgtataaga atattctgac agtgagtgc 120
ccggagtctc tgggtgtacc tcttaccagt cag 153

```

<210> 240

<211> 382

<212> DNA

<213> Homo sapiens

<400> 240

```

aaaaaaacca tctaaaagtg gttttttaat atatataatt tttccaaagg aagaaatttc 60
ttgcttttac tcagggaata aaaaaaatta aggtacattt gagtagaatg atttcatcta 120
aaagagttct ttcaggagac atctgtgatt cactgcattg tttttatttt cttctttttc 180
ctcttctttt ccaacatttc taccattttc ctcttcttgg ttgatatacag gccactttct 240
tttgttgctt tcttactgtc acctgttaaa ccgcgtttct ttgtgttagg ttttgaccgc 300
ttttcttctt tgtgcactgt gtcaccaggc tccttttttg caattttgga ctgttcttta 360
cttacaggag aaggctctgc ag 382

```

<210> 241

<211> 400

<212> DNA

<213> Homo sapiens

<400> 241

```

ggcatgagcc accgcgcccg gccctatctt ttacttttat aaatagagat gaagtttcac 60
catgttgccc aggctggat cgagctcctg ggctcaagcg atcccccaac cttggccttc 120

```

```

caaagtgctg ggattacaag cgcgagccac cgaaattatt cttactagc aagactaggc 180
tctgacatca catccttata gttacatccc tttaagcagg gttcagccac tcaactctgca 240
cctggagaac ttgatgggta tccctcgaag tgacagtcct gcaaatagaca aaaacactcc 300
aaatctatta gggttggtgca aaagtaatta cgctttttgc cactgaaagt aagtcccaca 360
ggaccctgag ggaaatggga ggggtggggta tacatagcag 400

```

<210> 242

<211> 75

<212> DNA

<213> Homo sapiens

<400> 242

```

actcacatat gcagacctga cactcaagag tggctagcta cacagagtcc atctaatttt 60
tgcaacttcc tgtgg 75

```

<210> 243

<211> 192

<212> DNA

<213> Homo sapiens

<400> 243

```

gctccacatt tgtagcgaac actttgactc caaagagaag gaggaagaca aagacaagaa 60
ggaaaagaaa gacaaggaca agaaggaagc ccctgctgac atgggagcac atcagggagt 120
ggctgttctg gggattgccc ttattgctat gggggaggag attggtgcag agatggcatt 180
acgaaccttt gg 192

```

<210> 244

<211> 616

<212> DNA

<213> Homo sapiens

<400> 244

```

aattttatag caatatactg accatttctaa aaataacaaa atacatgttg ctctcaacta 60
catagttaaa aaaggtagta aatttctctta cccaaaatag aggaggggtg ggctagttag 120
ctgctcaaac atttgtaaca aataaaaatg tatctatata catataatga tcatgttttc 180
atagcctaaa atcaccatac aaaatctaata aataaaaattg tgctgtgttc aggagttggg 240
aagccaacac attaaattaa caaagtatgt ttggtatatg taaataatgg gatagaatct 300
ctcgaatcag gattgtccca gaagttctaa ggcagatgtc aatgacatgc acattgtcca 360
tgttcagtaa ttttcaaaga ctagaataaa ctatgtaaac tattcaatac aattcaatat 420
tacttaactg ctaaaaagta cttcaagatc ttgcactgcc ttgagttagt ataatacaat 480
tagtaattgg aaaatagctg taatagcagg cactgaagaa ttctgacaaa taccaataa 540
ctgtttgttt ttaccaaata aactggtaag atgatatcac aaagggtttt aagttatttt 600
gctatacaag gttttt 616

```

<210> 245

<211> 165

<212> DNA

<213> Homo sapiens

<400> 245

```

ttggaacagt ggattaaaat ccagaagggg aggggtcatg aagaagaaac caggggagta 60
atttcttacc aaacattacc aagaaatatg ccaagtcaca gagcccagat tatggcccgc 120
taccctgaag gttatagaac actcccaaga aacagcaaga caagg 165

```

<210> 246
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 246
 tgtactggat ccctccaggt gggggcgact ctcacctgac tattacaata gcctcctaag 60
 tggtttcctt acttgcaacc ttgcccgtat aatatctatc ctccacacag caggcagggc 120
 gatcctttaa gaatagaagt tagatcatga aaatgctctg ctctgatccc tgcaaaagct 180
 cgccacctcc ttacagtcac cgctgaactc gtagcagagg ttcaggagg 229

<210> 247
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 67, 206, 244
 <223> n = A,T,C or G

<400> 247
 ggaaaccgtg tgtacttata ctggatgatg ccaccagtgc cctggatgca aacagccagt 60
 tacaggngga gcagctcctg tacgaaagcc ctgagcggta ctcccgtca gtgcttctca 120
 tcacccagca cctcagcctg gtggagcagg ctgaccacat cctctttctg gaaggaggcg 180
 ctatccggga ggggggaacc caccancagc tcatggagaa aaaggggtgc tactgggcca 240
 tggngcaggg tcctgcagat gctccagaat gaaagccttc tcagacctgc gcactccatc 300
 tccttcctt ttcttctctc tgtggtggag aaccacag 338

<210> 248
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 248
 tgaaaacaaa tgaattctca actcctacgg ttcatgtaga gtttagagaa aatttccatc 60
 attgtcatca ttgaactgtg aacctgggaa gccagatcat gattaacact gacatcaagt 120
 ttcaagttgc agatcaatgc acccagtgtt cagatgaggg aaacttctcc gtgacaa 177

<210> 249
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 249
 aaagtaatga ctttattaat aaatatacat ccatatgatg atgtagatac aaatcatgaa 60
 cactactcca ttcccatata cataattgca cacgagtagc tcaagttcat ggacataaaa 120
 acatacacag tatctattca gactttttac agcagaggac agcgtgctta ttatcagtta 180
 attggtaatt attttctcca aaattacctg tggaaaaaag aaattctgaa aacttaaaaag 240
 aatcaaagtg atctgattac ttt 263

<210> 250
 <211> 333
 <212> DNA

<213> Homo sapiens

<400> 250

```

aaaaaaaaaca acagcgtaaa tattagccca caagagcagt cctaaacaat cacaattaca 60
ctgtactacc caagaagact gtttattgtg aagcatttac ctttcaaaaa atcattacat 120
ttctatttct tggaggagca gcacattgtg gagtgtgatt ctttaattctt cattgagttt 180
gtcaatagga cattgatgct ggatagggtg tcttttgttt ttatgcctca gaccatcttg 240
tgagattgtt tgcctatctc ataatacagt tttatgcaga aagggtgaaa ctatgtaaat 300
ggttttttatg gaaattatca gttacaatat ttt                                     333

```

<210> 251

<211> 384

<212> DNA

<213> Homo sapiens

<400> 251

```

aaaccatttg taaaaaactt ctataaattt ttctctctct ttctctctta tgtacaaaaa 60
tatcttaata tatccccgaa ctgggttagga tagatacaaa tagatttttt ataataaaaa 120
attcacaaaa gattggaagc attctataat gaaaatggta gaaaagacag tgtgagggaa 180
gccatggggg ttgggaatcg ggccctggag gagaagcaga gtttcaaagg gctgagaata 240
gcatagtttc actgtaaacc aatgtctaca gcttattggg gtgggggcta ctgagacgaa 300
agacaccaac tcgtttctag agggctaaga actgcacttt aagaaagggc ggggaggtga 360
agggacccga gcaagaactt tcag                                     384

```

<210> 252

<211> 211

<212> DNA

<213> Homo sapiens

<400> 252

```

aaagcagtct gaaaatggga catctgtaga gaaattcatt tccttcttct cctccggatg 60
tggaatggaa gctttgaggg aaggaaaagt aggaaaagag cgggatggga tgggatggga 120
tgggatggga tgggatagga agagaggctg gggaatgggc agagaagggg gtgctgagtg 180
tgctgtgaga tagagcaaga tcacaagaag g                                     211

```

<210> 253

<211> 135

<212> DNA

<213> Homo sapiens

<400> 253

```

aaaaattggt tcttgacaag ctgacttggc acttaagtgc acttttttat gaagaaaaag 60
tacaatgaac tgcttttcct caagcaataa ttgtttccaa cttgtctggg aattgtgtgt 120
ctggtaactg gaagg                                     135

```

<210> 254

<211> 361

<212> DNA

<213> Homo sapiens

<400> 254

```

cctgtagccc ctgctacacg ggaggctgaa gtgggaggat cacttgaacc aatgaggggtg 60
aggttacagt gagcccagat catgccacta ctctacaggc tgggtgataa gagtgagacc 120
ctgtatcaaa aaaaagacaa ggaaaaaaa aactgggccg tttgtttttg cagaatgtct 180

```

ctcaatttgg acttttttggg caggaataca atacaagtga tacaaatgct tctttaacat 240
 tagaacctgt ataaaattac cattacagac cttgctatth tacttatagg taaatcactg 300
 tttaaccaagg taagtcttht gggaatttcc aaaaatgaag tccatggaca gttaaaaact 360
 g 361

<210> 255
 <211> 331
 <212> DNA
 <213> Homo sapiens

<400> 255
 aaaaaataaa ataatccacc aacgtgattg accttggcga gatcatgttt ctagtctata 60
 cctcagtttc cccatctgta aagtgaggat aatgtccac cccatgtaac tgtgggtgagg 120
 accaactgca aactgtgcc tgcgagtctc cttggaaaag tgtaagggtc tacacaaatg 180
 gaaagtgatc tgatcacact cagtgtcccc agcccagcct ttcagtgtcc tggccctggg 240
 gtggggggaca atactctcct caccctcttc actagtcttc atgaatagca aggaggccat 300
 aacataattt ggtctaaacc ccttccttht t 331

<210> 256
 <211> 186
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 115
 <223> n = A,T,C or G

<400> 256
 cctttgggcc cttgcactth gacctgcaat ggggccacac cagccttgct tgtgtccacc 60
 tggaaggact gagggaggth ggcacgaacc atgcctgggc tcaggccggg cccanagcac 120
 ttgaccttg acgcatctgt cacatcatgc acagggacct tgaaaggact gcctggcact 180
 tgatgg 186

<210> 257
 <211> 255
 <212> DNA
 <213> Homo sapiens

<400> 257
 ctgggggtccg tcaccgacct ttgggggaact gggctacggg gaccacaagc ccaagtcttc 60
 cactgcagcc caggaggtaa agactctgga tggcattht tcagagcagg tcgccatggg 120
 ctactcacac tccttggtga tagcaagaga tgaaagtga actgagaaag agaagatcaa 180
 gaaactgcca gaatacaacc cccgaaccct ctgatgtctc cagagactcc tccgactcca 240
 cacctctcgc ggcag 255

<210> 258
 <211> 604
 <212> DNA
 <213> Homo sapiens

<400> 258
 ctgaatttgc aatggagtht ggtgggtgcaa tcggtattga ttagthtggc atagacagat 60
 gcagcagtht agagcaaaat cgagaaaatg atthtthttht tcctccttga thtcttgga 120


```

gaagatatct tactttttca gcaaactttt cttttaacac taaagcagcc tagggcaatg 180
ccagatactt agagcttttc tcttgattat aagtagaaat ggggggtgtct gggctagagg 240
tggagggtgg atgtgctgtc gtcacagtct agctggcagc aagcaaggca aaagcagaga 300
ctgctctaga agcggttcca agcagcagag acgtcaggaa aggcacttct tagtaccaac 360
ctctatgctt taatagttgc ttgttaagct gcttcatggg ttgagacaaa ctaccagcac 420
ttcaaagagc tcagttctct gctcaactct cttctctagt tacattatth tttttccttc 480
aggagactga ggcaggaaaa tcgcttgaac tcaggagggtc gaggccgcag tgagccaaga 540
tcacaccacc gcactccagc ctgggccttg caaagtgcta ggattacagg aatgagccac 600
cagg 604

```

<210> 259

<211> 429

<212> DNA

<213> Homo sapiens

<400> 259

```

aaaaatgtct gtatcgagat cttccagttt gaagtcttcc tcctctgtgt cttcccaagg 60
ctctgtggca agctccactg gttctcccgc ttccatcaga accactgact tccacaatcc 120
tggctatccc aagtacctgg gcacccccca cctggaactg tacttgagtg actcacttag 180
aaacttgaac aaagagcggc aattccactt cgctgggtatc aggtcccggc tcaaccacat 240
gctggctatg ctgtcaagga gaacactctt tactgaaaac caccttggcc ttcattcttg 300
caatttcagc agagttaatt tgcttgctgt tagagatgta gcactttatc cttcctatca 360
gtaactgctc cgtgttcaga ctcttggttt cttccaggct tacagtggac atcatcagct 420
tcctgcttt 429

```

<210> 260

<211> 385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 179, 318

<223> n = A,T,C or G

<400> 260

```

ctgcaacaca tgcagcacca gtctcagcct tctcctcggc agcactcccc tgtcgccctct 60
cagataacat cccccatccc tgccatcggg agccccccagc cagcctctca gcagcaccag 120
tcgcaaatac agtctcagac acagactcaa gtattatcgc aggtcagtat tttctgaana 180
cgcatatggc agacggattt gcgtatacca aggagagtggt cataggaggg aaaagcatat 240
gtggctgaaa cctgtaagtt ggtgttggtt atgcagaaat gtgtaacaga tcaaacggtc 300
ctctcaagtg tctattanat aggcaataag aactgcagtg tagctgagta acatctttta 360
gctgactata aatcactttg ttttt 385

```

<210> 261

<211> 230

<212> DNA

<213> Homo sapiens

<400> 261

```

ctgtactgga tccctccagg tggggggcgac tctcacctga ctattacaat agcctcctaa 60
gtgggtttccc tacttgcaac cttgcccgtg taatatctat cctccacaca gcaggcaggg 120
cgatccttta agaatagaag ttagatcatg aaaatgctct gctctgatcc ctgcaaaagc 180
tcgccacctc cttacagtca ccgctgaact cgtagcagag gttcaggagg 230

```

<210> 262
 <211> 198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 88
 <223> n = A,T,C or G

<400> 262
 atgttaagta aacatgaaat ctatataaca gaacaaaaat tcactcttat gtcaatgtca 60
 gcgtgttaat gtagatctat ttactganac agactctgta gtggcagaga gtggccttgt 120
 taagccagga ccctgttctg caggctgtgg gtagaagcta ggaagtcctt ggagtttcac 180
 ccagcttttc catgaatg 198

<210> 263
 <211> 157
 <212> DNA
 <213> Homo sapiens

<400> 263
 aaaatatatt tctaaacaga atggggccgac tcagtcacag taactgttga tctccatagt 60
 agagcaaccc acaaagacag aactgatttt tttcccataa tcaggggtga aaaatataca 120
 acttgtttct gaacccaaac cacaatttct gcagttt 157

<210> 264
 <211> 290
 <212> DNA
 <213> Homo sapiens

<400> 264
 ctggctactc caagaccctg gcatgaggct gaggacaact tacaagggct tcaccgaagc 60
 agtggacctt tattttgacc acctgatgtc caggggtggg ccactccagt acaagcgtgg 120
 gggacctatc attgccgtgc aggtggagaa tgaatatggg tcctataata aagaccccgc 180
 atacatgccc tacgtcaaga aggcaactgga ggaccgtggc attgtggaac tgctcctgac 240
 ttcagacaac aaggatgggc tgagcaaggg gattgtccag ggagtcttgg 290

<210> 265
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 265
 aaaaaaagga aaggaaagag aggaaaagaa aataaaataa gacgatttat tgcttctcct 60
 cagcatcctc cttggtctcc tccttcaccg agagagcttc tagcttttcc gccacttttt 120
 cggcatgate atttttgcct gatcctttct tttctctctc ttcgatctct ttctgcatt 180
 cttcaaactt tgttttgaat ttctgtgcat tctcagcatt caggaagcgg atgg 234

<210> 266
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 266

```
gtcctcatca tcccagtttg aggcagtgct ggagtgggga aggccgtctt agaccataga 60
ggttggaaga cgctgagaga tcatccagcc cagccccttg atgttacaga gcagaagaca 120
gatgccc aaa caggagaagg cacttgccca cggtcatacg gcagggttgcc aaaaaaccaa 180
gatggcagcc cttcctcagc gtgcctcact gccactccca gagccaggga gcccataaaa 240
accacatca tgtcttaaga gtatatctgg ctccttgacc agcaatcggc cctgggagcc 300
accagggtggg aaaagcgcct ctgccagagt ccagg 335
```

<210> 267

<211> 619

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 69, 86, 119, 205, 352, 547, 580, 611

<223> n = A,T,C or G

<400> 267

```
tggagctctg acgaagggat cggggagggtg ctggagaagg aagactgcat gcaggccctg 60
agcggccana tcttcatggg catggngtcc tcccagtacc aggcccggtt ggacatcgng 120
cgcctcattg atgggcttgt caacgcctgc atccgctttg tctacttctc tttggaggat 180
gagctcaaaa gcaaggtgtt tgcanaaaaa atgggccttg agacaggctg gaactgccac 240
atctccctca cacccaatgg tgacatgcct ggctccgaga tccccccctc cagccccagc 300
cacgcaggct ccttgcattg tgacctgaat cagggtgtcc gagatgatgc anaagggtc 360
ctcctcatgg aggaggagg ccactcggac ctcactcagc tccagcctac ggacagcgac 420
atccccagct tcctggagga ctccaaccgg gccaaagctg cccgggggtat ccaccaagt 480
cggccccacc tgcagaacat tgacaacgtg cccctgctag tgcccccttt caccgactgc 540
acccanaga ccatgtgtga gatgataaag atcatgcaan agtacgggga ggtgacctgc 600
tgcttgaggca nctctgcca 619
```

<210> 268

<211> 147

<212> DNA

<213> Homo sapiens

<400> 268

```
cctataaccc agacaccagc atggacaaaa ctcagttata ctgaattcag agacaaaatt 60
cagtgcact cttctaccac ttatttaggg ttctacagca tttcactgag cagacttagt 120
tttttgtttt tgtttttaca acctttt 147
```

<210> 269

<211> 325

<212> DNA

<213> Homo sapiens

<400> 269

```
ctgagctgta ggaatggggt cttggtacac aagatagtat tggtgagcta gttttcgagc 60
tctgtgcaca agcactctgt aatcgggggc catgccactg tacaccaaac ctatatgctt 120
ggtaattggt tctactttgt gtacacttcg ctcactacac agaattggatt tctgtttttt 180
ctcagttgct aataccacac catttgagc ttttaattccc acggacgggg ctcctccagc 240
tacagcagcc aaagcatatt caatctggac aagtttacca gacgggctga atgtagtcag 300
cgaaaagctg taccgcgcgt ccgcc 325
```

<210> 270
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 270
 aaacatatgg taaattaccg agtgacacct ctgggctaga gacctctttt gaggggagtt 60
 tgcaaaactac ggattcaatt tctttaacag ttatgaagtt ctttaaagaa cctgttttgt 120
 attgggggggt tgtgggtcacc tgtgcttttc tgagatttgg ccctacatc taagttgttg 180
 aatgcatgtg tgtagagttg tttatgggtgc ttccctttct tcttagaagg gtctatagta 240
 atatccctct ccttatccct agtagtacta atttgtgttt tcttacttct tgacaggcaa 300
 acacatcaga gcataagtgg ttcctaatgc caagctgacc tcccttgatc tctgtcttct 360
 acaggatatt gacatgggac ttctttatta ccttttcagt tcaactgatac cttcaaatag 420
 ctttattt 428

<210> 271
 <211> 206
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 18, 21, 33, 118, 180
 <223> n = A,T,C or G

<400> 271
 cgtecccgag ccacggnng ncatggctgg canagcgctc tgcattgctgg ggctggctcct 60
 ggccttgctg tcctccagct ctgctgagga gtacgtgggc ctgtctgcaa accagtnggc 120
 cgtgccagcc aaggacaggg tggactgcgg ctacccccat gtcacccccca aggagtgcac 180
 caaccggggc tgctgctttg actcca 206

<210> 272
 <211> 83
 <212> DNA
 <213> Homo sapiens

<400> 272
 ctggcttccc tgagaactca acaatgcctt ttcctgaggg ccttcctcga tcatccacaa 60
 tgactacagc cctctctacc tgg 83

<210> 273
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 273
 ctggagaagg tgtgcagggg aaacctgtgt gatgtcaccg aggccagggt gtctttctac 60
 tcgggacact cttccttttg gatgtactgc atggtgttct tggcgctgta tgtgcaggca 120
 cgactctgtt ggaagtgggc acggctgctg cgaccacag tccagttctt cctggtggcc 180
 tttgccctct acgtgggcta caccgcgtg tctgattaca aacaccactg gagcgatgtc 240
 cttgtttggc tcctgcaggg ggcactgggt gctgccctca ctgtctgcta catctcagac 300
 ttcttcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360
 agcctgtcac tgacgttgac cctggggcag gctgaccaca accactatgg ataccgcac 420

tectectect gaggccggac cccgcccagg caggagctg ctgtgagtc ag 472

<210> 274

<211> 205

<212> DNA

<213> Homo sapiens

<400> 274

ccaggcggcc cgaggactta cggtcggcac ttctctgttc tcccgtgtca gcgtgtggtg 60
tcgcctgcat gggtcgtacc tggatgggtgt gtccaccatc gacacggagg ggctggattt 120
gtttctcagg caatcctgta ttttaatttt agatgtattt cctgaagcat atttttcata 180
gaatgtagcg tgtaaatagc ttttt 205

<210> 275

<211> 308

<212> DNA

<213> Homo sapiens

<400> 275

ctcctcgccc tccccaccga catcatgctc cagttccagc ttggatttac actgggcaac 60
gtggttgga tgtatctggc tcagaactat gatataccaa acctggctaa aaaacttgaa 120
gaaattaaaa aggacttgga tgccaagaag aaacccccta gtgcatgaga ctgcctccag 180
cactgccttc aggatatact gattctactg ctcttgaggg cctcgtttac tatctgaacc 240
aaaagctttt gttttcgtct ccagcctcag cacttctctt ctttgctaga ccctgtgttt 300
tttgcttt 308

<210> 276

<211> 201

<212> DNA

<213> Homo sapiens

<400> 276

aaattaactt tttcttgcaa aatattcatt tcattttttc caagaaaatc ttataaaggc 60
aaaaataaaa ttttatatttg gcaaatgtca tgaagtcgat actggcagca tatggagtta 120
gttaaaaata gacaacaact gctagatata ttcaaaattc tatttttttt tctgagcata 180
gtcaaagaga aattttcatt t 201

<210> 277

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 32

<223> n = A,T,C or G

<400> 277

aaaaaaaaag tattcagcac catttgctca tnggtctttc agagtttggt cttaaagttt 60
ctggaacttt cctgtctgta aagtaacagg aattactgag ctacattgga aagcctctct 120
gggacaggca gtggggagtt aagcagtcac cataaaggaa tcagtgtaca ttcagcatgg 180
tgacttgact acacaacaat cccttcccct ctactgtagc tcaagagaga catgcttcta 240
accactgagg tatgaggagt ctcagactgt tatttgctgt tagaattggc cttcccagct 300
aataacagta catctctggc acagatgcta ttggtcctta atgtcctgtg attttaggaa 360

```

atagtttgga tttagttcaa tttattcaga aaccaaacgt gtttaattag cttcactact 420
ctggcagagt aagggtatgc tggtttagta tctttataaa atatataataa tgtataggta 480
aatcatagtc ttaaatacata cctaaaatac tgtatcattt 520

```

<210> 278

<211> 264

<212> DNA

<213> Homo sapiens

<400> 278

```

cgcgccgggc ggaactttcc agaacgctcg gtgagaggcg gaggagcggg aactaccccg 60
gctgcgcaca gctcggcgct ccttcccgcct ccctcacaca ccggcctcag cccgcaccgg 120
cagtagaaga tgggtgaaaga aacaacttac tacgatgttt tgggggtcaa acccaatgct 180
actcaggaag aattgaaaaa ggcttatagg aaactggcct tgaagtacca tcctgataag 240
aaccctaatg aaggagagaa gttt 264

```

<210> 279

<211> 414

<212> DNA

<213> Homo sapiens

<400> 279

```

aaacatacaa taatTTTTtTat tatggaaatt aatctttaca tacaaaatca gctacgtaat 60
tttacttaca aaacaataaa aactgtttctt tactgtggca acaaaagaag cattttgaca 120
aatgaaaaaa attaatgcaa acaaatttaa acaatgcttt tctttttact tgcttcactg 180
tctcttctat ttatTTTTtcta tgatcatttg acacaaacat ggattacttt gatattctact 240
gaaacataaa tgataagggtt cttaaagggtt gaattaaaag tctgggtgtt caatattttta 300
gaagctgaat aaacaaaacg aaattgggggt ttgtgattac agaggattta tcatttttttc 360
cctttgtcca tatgaaaata tataatagaa aattaccacac gggaaaacat tttt 414

```

<210> 280

<211> 262

<212> DNA

<213> Homo sapiens

<400> 280

```

ccaccatgcc tggcctgctt caatttttttg atgccacttt gtaaacggca cttaattatg 60
gaaaatagga aaaagcaaaa ctaaaataag gaagaggata tatatataac ttttcacaat 120
ctcttttctg atccccctta gatgccagct caaccaggac cacacacaga tttcattttta 180
tttgtagagt atatgaaaag atttaatagt ctcatgcatt ttatTTTtacg tatactgatt 240
tctacgtttt gactgactat tt 262

```

<210> 281

<211> 349

<212> DNA

<213> Homo sapiens

<400> 281

```

ctgtgaccgc ggtgcatcag tggatatagt tgtgtctccc catggggggt taacagtctc 60
tgcccaagac cgTTTTtctga taatggctgc agaaatggaa cagtcactctg gcacaggccc 120
agcagaatta actcagtttt ggaaagaagt tcccagaaac aaagtgatgg aacatagggt 180
aagatgccat actgTTTgaaa gcagtaaacc aaacactctt acgttaaaaag acaatgcttt 240
caatatgtca gataaaacca gtgaagatat atgtctacaa ctcagtcggt tactagaaag 300
caataggaag cttgaagacc aagttcagcg ttgtatctgg ttccagcag 349

```


<210> 282
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 209
 <223> n = A,T,C or G

<400> 282
 aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagtatg 60
 ggaaacaaag tttcaaaaca aagaaaagtt gagtaaaagg tgccccctct atggctcatc 120
 tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttcccact 180
 cactttgcaa ggaccactc attctgcana aagacctaca agtctttctg gtctcaattg 240
 caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaatt 300
 gaaatcaaaa ttgtgtgctg gtctaaatat acatcttcgg cttcttcctt tttagtaagt 360
 atttttattt cagatgtatt t 381

<210> 283
 <211> 543
 <212> DNA
 <213> Homo sapiens

<400> 283
 aatatagctc ctccctaccc ccaacaatgg accctgccc ttgcctccca gttccttgat 60
 cttcctaggt tccacaactc tctttttcct tttagtttta ttccctccag ccaaacctct 120
 cttattcaat attttgagcc aatgggggag ttatgtagat ttttttccct acacattagc 180
 tggccccctt tatgaccaat gactcataag gcaagatgtg tgggtggcatc ttcggacagg 240
 cagcaggctt taatagggca gcctggggtg gtggaggcaa gcaaagctaa ttggcatgcg 300
 tgggaatcaa accccaggcc ctgggctcat tagcccatgg tcaaaacaac tgagccagag 360
 gaggtaataa tttgcccag aatatcagta gttcctttat tagaagaaaa tggctgatat 420
 ggaagtggg gaatctgaat tgccagagaa tcttggggaag agtaataagc tcttagtctc 480
 aacaaaaagt gttttttcat ctcagcgcgt aaagggtgct atatgggaac aaagaagtat 540
 ttt 543

<210> 284
 <211> 147
 <212> DNA
 <213> Homo sapiens

<400> 284
 aaactggtat tttatctttg attctccttc agccctcacc cctgggtctc atctttcttg 60
 atcaacatct tttcttgct ctgtcccctt ctctcatctc ttagctcccc tccaacctgg 120
 ggggcagtgg tgtggagaag ccacagg 147

<210> 285
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 285
 cggccgaggt ctggcttcac tcctactccc tctctgctcg cagcacgtcg gccgccagct 60

ctttgatgtg ttcccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg 120
 caaagcgcag gacaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac 180
 tgtttattct ttgcagaaga gcttcattca ctttggttga accctttagc cgaaagcaga 240
 caagcccccag aatgacttcc acacagattht caaagcgggg atcctggcgc accagtgact 300
 caaactcatg ggacag 316

<210> 286

<211> 322

<212> DNA

<213> Homo sapiens

<400> 286

cctgggggagc ccttttagtgg ggtgggacct caggcagacc cccaaaccaa agggagccag 60
 atgcccaggt tcaagtcatt agtgatatgt ggcaggggctg acagagaaat aatcctggag 120
 gtctccaaag ctgctgggaa tggaaatggcg atgaaaagcg caggagtggg cagggtgtgg 180
 tgggtgatgg tggcctcact cagagtggac caaggcccca gctccttgcc caaaaccaa 240
 gcccttgggc ccgaagttht tagcataaca tcctttgcag taaatctcgc catccttgtc 300
 tgccagggtg gttgactcaa gg 322

<210> 287

<211> 364

<212> DNA

<213> Homo sapiens

<400> 287

ctgcccacgc tcaaaccaat tctggctgat atcgagtacc tgcaggacca gcacctcctg 60
 ctcacagtca agtccatgga tggctatgaa tcctatgggg agtgtgtggt tgcactcaaa 120
 tccatgatcg gcagcacggc ccaacagttc ctgaccttcc tatcccaccg tggcgaggag 180
 acaggcaata tcagaggctc catgaagggt cgggtgcccc cggagcgcct gggcaccctg 240
 gagcggctct acgagtggat cagcattgat aaggatgagg caggagcaaa gagcaaagcc 300
 ccctctgtgt cccgaggggag ccaggagccc aggtcaggga gccgcaagcc agccttcaca 360
 gagg 364

<210> 288

<211> 261

<212> DNA

<213> Homo sapiens

<400> 288

aaaattataa ctactcattc tttctttagc cttagttaat ttgagcagaa gccacaacaa 60
 gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagttht 120
 cacactacta ccatttacag ttgtaggtht gtaatgtata attatgtaat gcagaaacta 180
 gctttgactt gtgtaacgat gcaactgtcaa agtaagcaaa gtaagaattg aaattccaca 240
 ttcccagaat ttaacactca g 261

<210> 289

<211> 261

<212> DNA

<213> Homo sapiens

<400> 289

ctgagtgtta aattctggga atgtggaatt tcaattctta ctttgcttac tttgacagtg 60
 catcgthaca caagtcaaag ctagthtctg cattacataa ttatacatta caaacctaca 120
 actgtaaatg gtagtagtgt ggaaacttgg gaagaggagt taatgtggat ttctgccaat 180

tctaaattta ttgtggtttg cttgttgtgg cttctgctca aattaactaa ggctaaagaa 240
agaatgagta gttataattt t 261

<210> 290
<211> 92
<212> DNA
<213> Homo sapiens

<400> 290
ccactacccg aacttacagg tgccaaaaga agaaagggtg taaacggaga ccacctatca 60
ctcatcagaa cctaggatca tcacattcct tt 92

<210> 291
<211> 287
<212> DNA
<213> Homo sapiens

<400> 291
ccatggctcc gctcagggcc ccggtcacct ccgagtcact ctgttccttg actgtccttg 60
tgtttctgta cctcaaggca ctgaagctgg aggactctgt ccatgcctgt gtcaccctcg 120
tgtgggagcc tctgggctcg gcaggccac atttcatgag ctgaggcgtg ggccagggcc 180
atctggaaag ggaactcggc ttttccagaa cgtgggtgat catctgtcgg gtgtgtgggtg 240
aacacgttca gttcatcagg gcctacgctc cggaaggagg cccccag 287

<210> 292
<211> 270
<212> DNA
<213> Homo sapiens

<400> 292
ccattgtttc ctgctggcg aaggctcctt gaacatccct caccttcctc tcccgcctct 60
gccttctgct ggggtcaaagg tggccttttc tctccagcct tgaattgttc cctgttggct 120
tcccaagggc ccatctgctg gtacagtcca cacttccaca gccaagacc gagagggctt 180
tactgcccc aagcctctct cctgtgacct tgggattctg tcttggcaga atcctttgtc 240
agcggctctt actctgtcct tcctgttttg 270

<210> 293
<211> 333
<212> DNA
<213> Homo sapiens

<400> 293
ccatgctcgt caacctgggtg tccactgctt gctacgtctc cttcctcttc ctgggctgcg 60
aactggccc tgtggctggg gttactgttc cctatggaaa cagcacagca cctggctcag 120
ccctggacc ctactgccc tgcaataata actgtgaatg ccaaaccgat tccttcactc 180
cagtgtgtgg ggcagatggc atcacctacc tgtctgctg ctttgctggc tgcaacagca 240
cgaatctcac gggctgtgcg tgccacacca ccgtccctgc tgagaacgca accgtgggtc 300
ctggaaaatg cccagtcct gggtgccaag agg 333

<210> 294
<211> 123
<212> DNA
<213> Homo sapiens

<400> 298						
ccaaaataaa	gcttcaggca	agaggcaaag	atccagtgga	atatgggaga	atggtggagg	60
accaacacct	gctaccccag	agagcttttc	taaaaaaagc	aagaaagcag	tcatgagtgg	120
tattcacct	gcagaagaca	cggaaggtag	tgagtttgag	ccagagggac	ttccagaagt	180
tgtaaagaaa	gggtttgctg	acatcccgc	aggaaagact	agcccatata	tcctgcgaag	240
aacaaccatg	gcaactcgga	ccagcccccg	cctggctgca	cagaagttag	cgctatcccc	300
actgagtctc	ggcaaagaaa	atcttgacga	gtcctccaaa	ccaacag		347

<210> 299
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 299
 aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata 60
 gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtgaag agaaataaat 120
 gcaggaaaagt ttaagtggat gtaagttttt ataaggaaag taataagagg aggctgcttt 180
 tgaaggctct ttgatcttcc atgatgataa tatcgttgca aagttcttta acttgatttc 240
 aagtaattag cagttgacca cttgggtt 268

<210> 300
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 300
 aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcatt ttagatccaa 60
 ctgaccatct ttatttctgt caaaaatcct catcatgggt cgggtgtatt cttccagttt 120
 agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180
 agcag 185

<210> 301
 <211> 75
 <212> DNA
 <213> Homo sapiens

<400> 301
 aaaattggaa agtgggataa gaaatctaaa gtaaccagct tatctttgaa acaatattat 60
 tttgaaattg gcttt 75

<210> 302
 <211> 247
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 159, 188, 212
 <223> n = A,T,C or G

<400> 302
 ccatgttctc tgaattgggt gcagaagaca agggcagagt ggctgcggcc cctattacct 60
 ttgtagcagc cacatcagaa agcagaagaa aacagtattt ctgaaggcat tgtttgaggt 120
 tgatctcagc actgaacgat ttcaagccct acgcaccana acagaaggag ggtggaggaa 180
 gtgatcanag ggaacgagct gtaggtttgc anaaatgtgt gaaacaaaa tgatcactgc 240
 ctacttg 247

<210> 303
 <211> 535
 <212> DNA
 <213> Homo sapiens

<400> 303

```

ctgcttcaga ggaaatcact gaaaaataaa gaaaaacccat ccatgcatgg ctgcatccag 60
tgtacctgta atcctgaaga aaagggtccta attccttcca tgctgaaatg ctagcttttg 120
tttcagagag agactttatt gcaactgtga ccaccgtcac tggtagagcac tgctgttcgg 180
ccccagcgga acttaaaaga ctggaatgtg gtagtggcgg tcgttctcgg tcagcaggga 240
gatctccggc cagtccctga gaggtcctc tgggtagcag acttcaaagt ctctggagtt 300
aaacttgaac agtctgaaca cttttatctt tacttcaagg gagtatccaa gtataaacat 360
atcaatctgc tctagtcacac atgtgtcgcc tacagaattc aggtgattca tcatgaagct 420
caaaggatca gaggatgtct ccctggaaaa caggagtcta aaaagactgg gaatgacctt 480
tttagtcttc atttgttcat aaacttcagt gacttgatac agcatgatga acttt 535

```

<210> 304

<211> 522

<212> DNA

<213> Homo sapiens

<400> 304

```

ccgcgctcgg tctacaatca cgttttatta ttggctcgtc tagtcatggg atagagaagg 60
taaatagcaa aatagaaaga aaagggggaa aaggtagaag gcaaggggaa aactattggg 120
tttagatctt tctcctgggc ctgtcaatga tcaggtaatt ggaaggatca aaattaggcc 180
aaacttggtg attgggcca aattgaacca aagtttgtgt caagaagacc tggggcagag 240
atatgtgact aaatcatttg gaatatgccc agaccccaag aatatttatg cccaacttga 300
atgctaacca gaagtcctct actgtagaag attgtaagg tgcatttttt ttgccccgac 360
accaaaatat tgatgtatct tccaacacca attctccaat tctctgacac caactcgatg 420
ttcaacaatt cagttatatt ctgtcactaa ttctctgcag tatcagcagg cccacaggt 480
aaaggattca gtctcacaag attgcccccc caccacttc ag 522

```

<210> 305

<211> 165

<212> DNA

<213> Homo sapiens

<400> 305

```

cctaaagcgc tcctcgtcga agctcaaggg gtccacaatg atttgtttgt caaagttatt 60
gagtgcataat gccagttctc ctctctctcc accctgggtg tgtgaggcat cgtctgaggc 120
agtggcctgg gctgcattgg aaatgcctgt gaccgcctgc tgcag 165

```

<210> 306

<211> 294

<212> DNA

<213> Homo sapiens

<400> 306

```

ctgcacctaa gacatggccc tggctaggcg ggaacagctc acagtagcga tacattcaca 60
ggacacagtt ggtgtccaga aaaggggggt cagaacacag tttctacaca agcacttggc 120
acccacacga cagagacgtc actcaagcag cacagccaca aatagtttac agcagctcat 180
gcccggcatc cgcccatgct gggagactcc ctgaaagggt ggcacctgcc gtctatgagg 240
aggtgtctcc ctccatcatt aaccccaaac cacacaatgt gtgaggagag cagg 294

```

<210> 307

<211> 181

<212> DNA

<213> Homo sapiens

<400> 307

```

aaaaatccat gacaccttga tagaaattag agtttacaca aacaaaaaag gaaccttcga 60
tattgccagc agctataaag tgaacgtact gagaccgaca ggacagcaag aaggcatttg 120
cacatttata tctgacaccc gaccatactt tcagtcacca gaatatcttc tctccagatt 180
t                                                    181

```

<210> 308

<211> 179

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 138

<223> n = A,T,C or G

<400> 308

```

aaggctgagg actgctggga gctcagatca gcccggagct actggctcat gggcagccaa 60
aaaatactgg atctgctgaa cgaaggctca gcccgagatc tccgcagtct tcagcgcatt 120
ggcccgaaga aggcccanc t aatcgtgggc tggcgggagc tccacggccc cttcagcca 179

```

<210> 309

<211> 129

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 28

<223> n = A,T,C or G

<400> 309

```

ctgcccgtt gcccgtagct gactcagntt cctcatcttc atctccatcc tcttcctcac 60
catcaccttc ttcttcctcc tctctttcct ccccaccttc ttctctttct tcgtctacct 120
cattgtcag                                                    129

```

<210> 310

<211> 390

<212> DNA

<213> Homo sapiens

<400> 310

```

tgaggctggg ggagagccgt ggtccctgag gatgggtcag agctaaactc cttcctggcc 60
tgagagtcag ctctctgccc tgtgtacttc ccgggccagg gctgccccta atctctgtag 120
gaaccgtggg atgtctgcat gttgccctt tctcttttcc cctttcctgt cccaccatac 180
gagcacctcc agcctgaaca gaagctctta ctctttccta tttcagtgtt acctgtgtgc 240
ttggtctgtt tgactttacg cccatctcag gacacttccg tagactgttt aggttcccct 300
gtcaaataatc agttaccac tcggtcccag ttttgttgcc ccagaaaggg atgttattat 360
ccttggggggc tcccagggca aggggttaagg                                                    390

```

<210> 311

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 127, 131, 154, 156, 192, 204, 227, 242, 271, 274, 297

<223> n = A,T,C or G

<400> 311

```
cctctctgtg ctgctgaagg cagatcgctt gttccacacc agctaccact cccaggcagt 60
gcatatccgc ctgttgagaa atgccgtgtc tagattgtgg acaagagcct gcgtgattat 120
gctatangga naaaaattct tcgagttcca ccnancctcc tctaaacatt tggctcactc 180
aaaacaaaaa gncaccaatc ttantactgc tgaacttcat ttatgtnacc taacattaac 240
cntcgtagga aaaccaaata gccctctcgt ncangatatg ttgctaaagg actaccntgt 300
tcaacacaac ggctccggtg tgtgaactcc tgtttgggtg attcccctac tctca 355
```

<210> 312

<211> 498

<212> DNA

<213> Homo sapiens

<400> 312

```
ccattctttt gaatctaate tattatcaat agcatcctcc ataatatctt tgataaaaagg 60
tgtccaccga gagagctgaa aagtttcttc tgcagaccga tcctttctta acggtttgcc 120
ttgttgagat tggggaacaa tgggaacacc aaggtaactc cagttacgaa tcatgtcact 180
ctcattttct atctttacat tctggatcaa cctgtccaaa ttttcttccg tagttccatt 240
aatactgaag atataaagta gaattgctct tattttatca caattatcat gatttttgtt 300
gagtagaact ggaaggagta ctgcgatgga atctttcacc ttctgtcctt ctgcatcagt 360
tccaagtgcc aggtcctggt cagttttgca gagcttttct atattaagct tgaacttatt 420
catgcaatct tctgctaagt taagatggac aacttgctta gtaatctggt ttcggaaata 480
gggcatcttt ttcacag 498
```

<210> 313

<211> 653

<212> DNA

<213> Homo sapiens

<400> 313

```
aaacttatca gattttttta agttaggtaa tttcaatcca cagtggctcc atatgggttaa 60
aaaaacaaaa acaaaaacgc atttaaggat acacgaagca gtgaaaacaa agccccagta 120
ttttcgctaa agtactggaa atacctgttt ctaaaaacag ctttatattt gtccactgcc 180
tagaatagct ctcacccaaa cctcaaaaat aagagcagat agattttaga agcaagaaaa 240
ggtaaacagt gcccatatta tttgagactg gctctgctgc cctccctaag ccagtttaca 300
ttctttgaga ttcttgaggt gggtagtca gggctgaaga ctgcacaggc catgtcccct 360
gctccaacta ttcctcagaa cgtcccagggt ggaggagggt gcctgtcgat tttcactcat 420
tccatggagc tctgtgtaca tgaaaattcc tccaagtgtg gcttttgctg aattcagaga 480
tacagcaagc cacgcataaa acatggagtg tagagcactg gtgtacctag cttagaaaca 540
ccctcggtga atgtggtact gtggctcgaa aggaagcaag ggacaggacc caggagactg 600
ggcggccagg ctctcggagt tccacacaca cctgtgaagc ccggccagca cag 653
```

<210> 314

<211> 513

<212> DNA

<213> Homo sapiens

<400> 314
 ctggaagatt ttgctgcatt tggcattata ctgtaattta cagtatacaa catctgggga 60
 ctcagtacta tcttagcaca gactaacttc tcccactcgg tcagaggtgg caggtggcgg 120
 gtcgggtgggg agggcctttt ctccccataa atgcctgaac tttaatttat accatataag 180
 aaatcagtga aaggtaaaca acaagggttaa tgtaactcta ttataaattt tgcatttttt 240
 ttctctgtga catatacaag tatatttttg tttttggagc tataaattat ttaatttagc 300
 aatcttcaaa gctcataaat ttcaactttt caaataagaa attttaactt caaataagaa 360
 gtctaggact ttatggctat taattttact atcaaaatat ccaagggact ccattcaatg 420
 taatagttat aattcttcta aatatcattt gaataattct ttgtggacgc tagactcaag 480
 actatgctac atccaaacag tacatctata acc 513

<210> 315

<211> 222

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15

<223> n = A,T,C or G

<400> 315
 atttatatcc aaggnatctc aaagaaagca ttttcatttc actgcacatc tagagaaaaa 60
 caaaaataga aaattttcta gtccatccta atctgaatgg tgctgtttct atattgggtca 120
 ttgccttgca aacaggagct ccacaaaagc caggaagaga gactgcctcc ttggctgaaa 180
 gagtcctttc aggaaggtgg actgcattgg tttgatatgt tt 222

<210> 316

<211> 1633

<212> DNA

<213> Homo sapiens

<400> 316
 cgtggaggca gctagcgcga ggctggggag cgctgagccg cgcgtcgtgc cctgcgctgc 60
 ccagactagc gaacaatata gtcgggatgg cttaaaggta cccaagaaa ccaaagggca 120
 agacgtccgc ttatgccttc tttgtgcaga catgcagaga agaacataag aagaaaaacc 180
 cagaggtccc tgtcaatttt gcggaatttt ccaagaagtg ctctgagagg tggaagacgg 240
 tgtccgggaa agagaaatcc aaatttgatg aaatggcaaa ggcagataaa gtgcgctatg 300
 atcgggaaat gaaggattat ggaccagcta agggaggcaa gaagaagaag gatcctaata 360
 ctccccaaaag gccaccgtct ggattcttcc tgttctgttc agaattccgc cccaagatca 420
 aatccacaaa ccccggcacg tctattggag acgtggcaaa aaagctgggt gagatgtgga 480
 ataattttaa tgacagtga aagcagcctt acatcactaa ggcggcaaag ctgaaggaga 540
 agtatgagaa ggatgttgct gactataagt cgaaaggaaa gtttgatggg gcaaaggggc 600
 ctgctaaagt tgcccggaaa aaggtggaag aggaagatga agaacaggag gaggaagaag 660
 aggaggagga ggaggaggag gatgaataaa gaaactgttt atctgtctcc ttgtgaatac 720
 ttagagtagg ggagcgccgt aattgacaca tctcttattt gagaagtgtc tgttgccctc 780
 attaggttta attacaaaat ttgatcacga tcatattgta gtctctcaaa gtgctctaga 840
 aattgtcagt ggtttacatg aagtggccat ggggtgtctg agcaccctga aactgtatca 900
 aagttgtaca tatttccaaa cattttttaa atgaaaaggc actctcgtgt tctcctcact 960
 ctgtgcactt tgctgttggt gtgacaaggc atttaaagat gtttctggca ttttcttttt 1020
 atttgtaagg tggtggtaac tatggttatt ggctagaaat cctgagtttt caactgtata 1080
 tatctatagt ttgtaaaaag aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg 1140
 gcgttgaggc tgtggggaag atgccttttg ggagaggctg tagctcaggg cgtgcactgt 1200
 gaggctggac ctgttgactc tgcagggggc atccatttag cttcagggtt tcttgtttct 1260

```

gtatatagtg acatagcatt ctgctgccat cttagctgtg gacaaagggg ggtcagctgg 1320
catgagaata ttttttttta agtgcggtag tttttaaaact gtttggtttt aaacaaacta 1380
tagaactctt cattgtcagc aaagcaaaga gtcactgcat caatgaaagt tcaagaacct 1440
cctgtactta aacacgattc gcaacgttct gttatttttt ttgtatgttt agaattgctga 1500
aatgtttttg aagttaaata aacagtatta cattttttaga actcttctct actataacag 1560
tcaatttctg actcacagca gtgaacaaac cccactccg ttgtatttgg agactggcct 1620
ccctataaat gtg 1633

```

<210> 317

<211> 4235

<212> DNA

<213> Homo sapiens

<400> 317

```

gaatccaagg gggccagttc ctgccgtctg ctcttctgcc tcttgatctc cgccaccgtc 60
ttcaggccag gccttggtat gtatactgta aattcagcat atggagatac cattatcata 120
ccttgccgac ttgacgtacc tcagaatctc atgtttggca aatggaaata tgaaaagccc 180
gatggctccc cagtatttat tgccctcaga tcctctacaa agaaaagtgt gcagtacgac 240
gatgtaccag aatacaaaga cagattgaac ctctcagaaa actacacttt gtctatcagt 300
aatgcaagga tcagtgatga aaagagattt gtgtgcatgc tagtaactga ggacaacgtg 360
tttgaggcac ctacaatagt caagggtgtc aagcaaccat ctaaacctga aattgtaagc 420
aaagcactgt ttctcgaaac agagcagcta aaaaagttgg gtgactgcat ttcagaagac 480
agttatccag atggcaatat cacatggtac aggaatggaa aagtgtctca tccccttgaa 540
ggagcgggtg tcataatttt taaaaaggaa atggacccag tgactcagct ctataccatg 600
acttccaccc tggagtacaa gacaaccaag gctgacatac aaatgccatt cacctgctcg 660
gtgacatatt atggaccatc tggccagaaa acaattcatt ctgaacaggc agtatttgat 720
atttactatc ctacagagca ggtgacaata caagtgtctg caccaaaaaa tgccatcaaa 780
gaaggggata acatcactct taaatgctta gggaatggca accctcccc cagaggaattt 840
ttgttttact taccaggaca gcccgaaagg ataagaagct caaatactta cacttgacg 900
gatgtgaggc gcaatgcaac aggagactac aagtgttccc tgatagacaa aaaaagcatg 960
attgcttcaa cagccatcac agttcactat ttggatttgt ccttaaacc aagtggagaa 1020
gtgactagac agattggtga tgccctaccc gtgtcatgca caatatctgc tagcaggaat 1080
gcaactgtgg tatggatgaa agataacatc aggcttcgat ctagcccgtc attttctagt 1140
cttcattatc aggatgctgg aaactatgtc tgcgaaactg ctctgcagga ggttgaagga 1200
ctaaagaaaa gagagtcatt gactctcatt gtagaaggca aacctcaaat aaaaatgaca 1260
aagaaaactg atcccagtgg actatctaaa acaataatct gccatgtgga aggttttcca 1320
aagccagcca ttcagtggac aattactggc agtggaagcg tcataaacca aacagaggaa 1380
tctccttata ttaatggcag gtattatagt aaaattatca tttcccctga agagaatgtt 1440
acattaactt gcacagcaga aaaccaactg gagagaacag taaactcctt gaatgtctct 1500
gctataagta ttccagaaca cgatgaggca gacgagataa gtgatgaaaa cagagaaaag 1560
gtgaatgacc aggcaaaact aattgtggga atcgttgttg gtctcctcct tgctgccctt 1620
gttgctggtg tcgtctactg gctgtacatg aagaagtcaa agactgcatc aaaacatgta 1680
aacaaggacc tcggtaatat ggaagaaaac aaaaagttag aagaaaacaa tcacaaaact 1740
gaagcctaag agagaaaact tcctagtgtt ccagagataa aatcatata gaccaattga 1800
agcatgaacg tggattgtat ttaagacata aacaaagaca ttgacagcaa ttcattgttca 1860
agtattaagc agttcattct accaagctgt cacaggtttt cagagaatta tctcaagtaa 1920
aacaatgaa atttaattac aaacaataag aacaagtttt ggcagccatg ataataggtc 1980
atatgttgtg tttggttcaa ttttttttcc gtaaattgtc gactgagga tttctttttg 2040
gtttgccttt tatgtaaatt ttttacgtag ctatttttat acactgtaag ctttgttctg 2100
ggagttgctg ttaatctgat gtataatgta atgtttttat ttcaattgtt tatatggata 2160
atctgagcag gtacatttct gattctgatt gctatcagca atgccccaaa ctttctcata 2220
agcacctaaa acccaaagg ggcagcttgt gaagattggg gacactcata ttgccctaata 2280
taaaaactgt gattttttatc acaagggagg ggaggccgag agtcagactg atagacacca 2340
taggagccga ctctttgata tgccaccagc gaactctcag aaataaatca cagatgcata 2400

```

tagacacaca	tacataatgg	tactcccaaa	ctgacaat	tacctattct	gaaaaagaca	2460
taaaacagaa	tttggtagca	cttacctcta	cagacacctg	ctaataaatt	atcttctgtc	2520
aaaagaaaaa	acacaagcat	gtgtgagaga	cagtttgga	aatcatggt	caacattccc	2580
atcttcatag	atcacaatgt	aatcactat	aattacaaat	tgggtgttaa	tcctttgggt	2640
tatccactgc	cttaaaatta	tacctatttc	atgtttaaaa	agatatcaat	cagaattgga	2700
gtttttaaca	gtggtcatta	tcaaagctgt	gttattttcc	acagaatata	gaatatatat	2760
ttttttcgtg	tgtgtttttg	ttaactaccc	tacagatatt	gaatgcacct	tgagataatt	2820
tagtggttta	actgatacat	aattttatcaa	gcagtacatg	aaagtgtaat	aataaaatgt	2880
ctatgtatct	ttagttacat	tcaaatttgt	aactttataa	acatgtttta	tgcttgagga	2940
aatttttaag	gtggtagtat	aaatggaaac	tttttgaagt	agaccagata	tgggctactt	3000
gtgactagac	ttttaaaactt	tgctctttca	agcagaagcc	tggtttctgg	gagaacactg	3060
cacagtgatt	tctttccag	gatttacaca	actttaaagg	gaagataaat	gaacatcaga	3120
tttctaggt	tagaactatg	ttattgaaag	gaaaaggaaa	actggtgttt	gtttcttaga	3180
ctcatgaaat	aaaaaattat	gaaggcaatg	aaaaataaat	tgaaaattaa	agtcagatga	3240
gaataggaat	aatactttgc	cacttctgca	ttatttagaa	acatacgta	ttgtacattt	3300
gtaaaccatt	tactgtctgg	gcaatagtga	ctccgtttta	taaaagcttc	cgtagtgc	3360
tggtaggat	taaatgcata	aaatatctta	gactcgatgc	tgtataaaat	attatgggaa	3420
aaaagaaata	cgttattttg	cctctaaact	tttattgaag	ttttatttgg	caggaaaaaa	3480
aattgaatct	tgggtcaacat	ttaaaccaa	gtaaaagggg	aaaaaccaa	gttatttggt	3540
ttgcatggct	aagccattct	gttatctctg	taaatactgt	gatttctttt	ttattttctc	3600
tttagaattt	tgttaaagaa	attctaaaat	ttttaaacac	ctgctctcca	caataaatca	3660
caaacactaa	aataaaatta	cttccatata	aatattat	tctcttttgg	tgtgggagat	3720
caaaggttta	aagtctaact	tctaagatat	atttgcagaa	agaagcaaca	tgacaataga	3780
gagagttagt	ctacattatt	tcttggtttc	cacttgcaat	ggttaattaa	gtccaaaaac	3840
agctgtcaga	acctcgagag	cagaacatga	gaaactcaga	gctctggacc	gaaagcagaa	3900
agtttgccgg	aaaaaaaaag	accacattat	taccatcgat	tcagtgcctg	gataaagagg	3960
aaagcttact	tgtttaatgg	cagccacatg	cacgaagatg	ctaagaagaa	aaagaattcc	4020
aaatcctcaa	cttttgaggt	ttcggctctc	caatttaact	ctttggcaac	aggaaacagg	4080
ttttgcaagt	tcaagggttca	ctccctatat	gtgattatag	gaattgtttg	tggaatgga	4140
ttaacatacc	cgtctatgcc	taaaagataa	taagaaaact	gaaatatgtc	ttcaaaaaaa	4200
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaa			4235

<210> 318

<211> 3347

<212> DNA

<213> Homo sapiens

<400> 318

atcccttggg	ggcattcatg	gctgaagtgg	aggatcaggc	agctagagac	atgaagaggc	60
ttgaagaaaa	ggacaaggaa	agaaaaaacg	taaagggtat	tcgagatgac	attgaagagg	120
aagatgacca	agaagcttat	tttcgataca	tggcagaaaa	cccaactgct	ggtgtgggtc	180
aggaggaaga	ggaagacaat	ctagaatatg	atagtgcagg	aatccaatt	gcacctacca	240
aaaaaatcat	tgatcctctt	ccccccattg	atcattcaga	gattgactat	ccaccatttg	300
aaaaaaactt	ttacaatgag	catgaagaga	taaccaacct	cactccacag	cagttaatag	360
atctccggca	taagctcaat	cttcgggtct	ctgggtgctgc	acctcctaga	ccaggaagta	420
gctttgctca	ttttggggtt	gacgaacaac	ttatgcacca	gattcggaaa	tctgaataga	480
cacagcccac	tccaatacag	tgccagggtg	tgccgtgtggc	attaagtggg	agagacatga	540
ttggtagtgc	caaaacagggt	agtgggaaaa	ctgcagcctt	catttggccc	atgttgattc	600
atataatgga	ccagaaggag	ttggaaccag	gtgatggacc	aattgcagtg	attgtgtgtc	660
ctaccaggga	gctttgccag	cagatccatg	cagaatgtaa	gcggtttgga	aaagcatata	720
atcttcgatc	agtggccgta	tatggaggag	ggagtatgtg	ggagcaggcc	aaggcccttc	780
aggagggggc	agagattggt	gtgtgtaccc	caggtcgact	gatagatcat	gtgaaaaaga	840
aagctaccaa	tcttcaaaga	gtctcttacc	ttgtgtttga	tgaagcagat	cgaatgtttg	900
acatgggatt	tgagtaccaa	gttcgatcca	tagcaagtca	tgttcgtcct	gacaggcaga	960


```

ctctcttatt tagtgcaact tttcggaaga agattgaaaa gttggccaga gacatcctga 1020
tcgaccctat tcgagtgggtg cagggagata ttggagaggc aaatgaagat gtgacacaga 1080
ttgtggagat tctccattct ggacctagta aatggaactg gcttaccggg cgtctggtag 1140
aatttacctc ttcagggagt gtcctcctct ttgttactaa aaaagccaat gctgaagagc 1200
tagcgaataa ccttaaacag gagggtcata atcttgggct gctccatggg gatatggatc 1260
agagtgaag aaacaagggtc atttcagact ttaagaaaaa ggacatccca gtcctgggtg 1320
ccacagatgt tgcagcccgt ggtctggaca ttccttcaat taagactgtc attactatg 1380
atgtggcacg agacattgat acccacacgc ataggattgg ccgcacagga agagcgggtg 1440
agaaagggtg ggcctatacc ctactcactc ccaaggacag caattttgct ggtgacctgg 1500
tccggaactt ggaaggagcc aatcaacacg tttctaagga actcctagat ctggcaatgc 1560
agaatgcctg gtttcgaaa tctcgattca aaggagggaagg agaaaaaag ctgaacattg 1620
gtggaggagg cctagggtac agggagcggc ctggcctggg ctctgagaac atggatcgag 1680
gaaataacaa tgtaatgagc aattatgagg cctacaagcc ttccacagga gctatgggag 1740
atcgactaac ggcaatgaaa gcagctttcc agtcacagta caagagtcac tttgttgag 1800
ccagtttaag taatcagaag gctggaagtt ctgctgctgg ggcaagtggg tggactagt 1860
cagggagctt gaattctgtt ccaactaact cagcacaaca gggccataac agtcctgaca 1920
gccccgtcac cagtgccgcc aagggcatcc caggctttgg caatactggc aacatcagtg 1980
gtgcccctgt gacctaccg tctgccggag cccaaggagt caacaacaca gcttcaggga 2040
ataacagccg agaagggact gggggcagca acgggaaaag agagagatat actgagaacc 2100
ggggcagcag cccgtcacag tcacggagag actggcaatc ggcatacgca tagtccacgt 2160
cacggagatg gtggtcgcca tggagatgga taccgccatc cagaaagcag cagccgtcat 2220
actgatggcc atcggcacgg ggagaacaga catggaggaa gcgcaggccg gcatggggag 2280
aaccggggtg caaatgatgg tcggaatggg gaaagcagga aagaagcttt taatcgtgag 2340
agcaagatgg agcccaagat ggaacccaaa gtggacagca gcaagatgga caagggtggac 2400
agcaagacag ataagacagc tgacggcttt gctgtcccag agccgcctaa acgcaagaaa 2460
agtcgatggg acagtttagg gggatgtgct aaagcgtgaa atcagttgtc cttaattttt 2520
agaaagatgt tggttaactag gtgtctcagg gctgggttgg ggtccaaagt gtaaggacct 2580
cctgccctta gtggagagct ggagcttggg gacattacc cttcatcaga aggaattttc 2640
ggatgttttc ttgggaagct gttttggtcc ttggaagcag tgagagctgg gaagcttctt 2700
ttggctctag gtgagttgtc atgtgggtaa gttgaggtta tcttgggata aagggtcttc 2760
tagggcacia aactcactct aggtttatat tgtatgtagc ttatattttt tactaagggtg 2820
tcaccttata agcatctata aattgacttc tttttcttag ttgtatggcc aggcagtccc 2880
catttttagga gttggcttct gcaaattcaa tccattgagc taactgttgg ggagcaattt 2940
ggtagttgta gacatttgca ggaaggag atgtctgatt ctaaattggg gttgatgctc 3000
aggtccccag ccaggtttgc atccagccct gagacatgta ggaaacacct ttcagacca 3060
ggctctgaag attcccagaa gccacaagga ttgaaggga aaggtgatcc tggtaactgt 3120
tccaggattg ctccagggtt gagatggtat tgctaaattt aaaattaaac aagaaacca 3180
acaacagctt ttaaagtgtc ttctatctca ttgtattttt ttaacttgc ccaatgata 3240
gaaaagtctt ttgctgaaat gattttgatg atttttgttt atcgtttata aaaaggaaaa 3300
gaaatataca aactttgact tttgtgaaaa aaaaaaaaaa aaaaaaa 3347

```

<210> 319

<211> 1814

<212> DNA

<213> Homo sapiens

<400> 319

```

ggggagatga tccgagccgc gccgccgccg ctgttctctg tgctgctgct gctgctgctg 60
ctagtgtcct gggcgtcccg aggcgaggca gcccccgacc aggacgagat ccagcgccctc 120
cccgggctgg ccaagcagcc gtctttccgc cagtactccg gctacctcaa aagctccggc 180
tccaagcacc tccactactg gtttgtggag tcccagaagg atcccagaaa cagccctgtg 240
gtgctttggc tcaatggggg tcccggctgc agctcactag atgggctcct cacagagcat 300
ggccccctcc tgggtccagcc agatgggtgt accctggagt acaacccta ttcttggaat 360
ctgattgcca atgtgttata cctggaggtc ccagctgggg tgggcttctc ctactccgat 420

```


gacaagtttt	atgcaactaa	tgacactgag	gtcgcccaga	gcaattttga	ggcccttcaa	480
gatttcttcc	gcctctttcc	ggagtacaag	aacaacaaac	ttttcctgac	cggggagagc	540
tatgctggca	tctacatccc	caccctggcc	gtgctggtea	tgcaggatcc	cagcatgaac	600
cttcaggggc	tggctgtggg	caatggactc	tcctcctatg	agcagaatga	caactccctg	660
gtctactttg	cctactacca	tggccttctg	gggaacaggc	tttgggtctt	tctccagacc	720
cactgctgct	ctcaaaacaa	gtgtaacttc	tatgacaaca	aagacctgga	atgcgtgacc	780
aatcttcagg	aagtggcccc	catcgtgggc	aactctggcc	tcaacatcta	caatctctat	840
gccccgtgtg	ctggaggggt	gcccagccat	tttaggtatg	agaaggacac	tgttgtggtc	900
caggatttgg	gcaacatctt	cactcgccctg	ccactcaagc	ggatgtggca	tcaggcactg	960
ctgcgctcag	gggataaagt	gcgcgatggac	ccccctgca	ccaacacaa	agctgcttcc	1020
acctacctca	acaacccgta	cgtgcggaag	gccctcaaca	tcccggagca	gctgccacaa	1080
tgggacatgt	gcaactttct	ggtaaactta	cagtaccgcc	gtctctaccg	aagcatgaac	1140
tcccagtatc	tgaagctgct	tagctcacag	aaataccaga	tcctattata	taatggagat	1200
gtagacatgg	cctgcaattt	catgggggat	gagtgggttg	tggattccct	caaccagaag	1260
atggaggtgc	agcgccggcc	ctggttagtg	aagtacgggg	acagcgggga	gcagattgcc	1320
ggcttcgtga	aggagtcttc	ccacatcgcc	tttctcacga	tcaaggcgcc	cggccacatg	1380
gttcccaccg	acaagcccct	cgtgccttc	accatgttct	cccgttccct	gaacaagcag	1440
ccatactgat	gaccacagca	accagctcca	cggcctgatg	cagcccctcc	cagcctctcc	1500
cgctaggaga	gtcctcttct	aagcaaagtg	cccctgcagg	cgggttctgc	cgccaggact	1560
gcccccttcc	cagagccctg	tacatcccag	actgggcccc	gggtctccca	tagacagcct	1620
gggggcaagt	tagcacttta	ttcccgcagc	agttcctgaa	tgggggtggc	tggccccctt	1680
tctgcttaaa	gaatgccctt	tatgatgcac	tgattccatc	ccaggaacct	aacagagctc	1740
aggacagccc	acagggaggt	ggtggacgga	ctgtaattga	tagattgatt	atggaattaa	1800
attgggtaca	gctt					1814

<210> 320

<211> 3132

<212> DNA

<213> Homo sapiens

<400> 320

ccgcagaact	tggggagccg	ccgccgccat	ccgccgccgc	agccagcttc	cgccgccgca	60
ggaccggccc	ctgccccagc	ctccgcagcc	gcggcgcgtc	cacgcccgcc	cgcccccagg	120
gcgagtcggg	gtcgccgcct	gcacgcttct	cagtgttccc	cgcccccgcg	atgtaaccgc	180
gccaggcccc	cgcaacgggtg	tcccctgcag	ctccagcccc	gggtgcacc	ccccgcccc	240
gacaccagct	ctccagcctg	ctcgtccagg	atggccgcgg	ccaaggccga	gatgcagctg	300
atgtccccgc	tgcagatctc	tgaccgcgtt	ggatcctttc	ctcactcgcc	caccatggac	360
aactacccta	agctggagga	gatgatgctg	ctgagcaacg	gggtccccca	gttccctcgg	420
gccgcccggg	ccccagaggg	cagcggcagc	aacagcagca	gcagcagcag	cgggggcggg	480
ggaggcggcg	ggggcggcag	caacagcagc	agcagcagca	gcaccttcaa	ccctcaggcg	540
gacacgggcg	agcagcccta	cgagcacctg	accgcagagt	cttttctctg	catctctctg	600
aacaacgaga	aggtgctggg	ggagaccagt	taccccagcc	aaaccactcg	actgcccccc	660
atcacctata	ctggccgctt	ttccctggag	cctgcaccca	acagtggcaa	caccttgttg	720
cccagagccc	tcttcagctt	ggtcagtggt	ctagtgaagc	tgaccaacct	accggcctcc	780
tcgtcctcag	caccatctcc	agcggcctcc	tccgcctccg	cctcccagag	cccaccctct	840
agctgcgcag	tgccatccaa	cgacagcagt	cccatttact	cagcggcacc	caccttcccc	900
acgccgaaca	ctgacatttt	ccctgagcca	caaagccagg	ccttcccggg	ctcggcaggg	960
acagcgtctc	agtaccgcgc	tcttgcttac	cctgccgcca	agggtggctt	ccagggttccc	1020
atgatccccg	actacctgtt	tccacagcag	caggggggatc	tgggcctggg	caccccagac	1080
cagaagccct	tccagggcct	ggagagccgc	accagcagc	cttcgctaac	ccctctgtct	1140
actattaagg	cctttgccac	tcagtcgggc	tcccaggacc	tgaaggccct	caataaccag	1200
taccagtcct	agctcatcaa	accagccgc	atgcgcaagt	atcccaacct	gccagcaag	1260
acgccccccc	acgaacgccc	ttacgcttgc	ccagtggagt	cctgtgatcg	ccgcttctcc	1320
cgctccgacg	agctcacccg	ccacatccgc	atccacacag	gccagaagcc	cttccagtgc	1380

cgcatctgca	tgcgcaactt	cagccgcagc	gaccaccta	ccacccacat	ccgcacccac	1440
acaggcgaaa	agcccttcgc	ctgcgacatc	tgtggaagaa	agtttgccag	gagcgatgaa	1500
cgcaagaggc	ataccaagat	ccacttgccg	cagaaggaca	agaaagcaga	caaaagtgtt	1560
gtggcctctt	cggccacctc	ctctctctct	tcctaccctg	ccccggttgc	tacctcttac	1620
ccgtccccgg	ttactacctc	ttatccatcc	ccggccacca	cctcataccc	atccccctgtg	1680
cccacctcct	tctcctctcc	cggtccctcg	acctacccat	cccctgtgca	cagtggcttc	1740
ccctccccgt	cggtggccac	cacgtactcc	tctgttcccc	ctgctttccc	ggcccagggtc	1800
agcagcttcc	cttcctcagc	tgtcaccaac	tccttcagcg	cctccacagg	gctttcggac	1860
atgacagcaa	ccttttctcc	caggacaatt	gaaatttgc	aaagggaaa	gggaaagaaa	1920
gggaaaagg	agaaaaagaa	acacaagaga	cttaaaggac	aggaggagga	gatggccata	1980
ggagaggagg	gttcctctta	ggtcagatgg	aggttctcag	agccaagtcc	tccctctcta	2040
ctggagtggg	aggtctattg	gccacaatc	ctttctgccc	acttcccctt	cccccaattac	2100
tattcccttt	gacttcagct	gcctgaaaca	gccatgtcca	agttcttcac	ctctatccaa	2160
agaacttgat	ttgcatggat	tttgataaa	tcatttcagt	atcatctcca	tcatatgcct	2220
gaccccttgc	tcccttcaat	gctagaaaat	cgagttggca	aatgggggtt	tggggcccctc	2280
agagccctgc	cctgcaccct	tgtacagtgt	ctgtgccatg	gatttcggtt	ttcttgggggt	2340
actcttgatg	tgaagataat	ttgcatattc	tattgtatta	tttgaggatta	ggtcctcact	2400
tgggggaaaa	aaaaaaaaaa	aagccaagca	aaccaatggt	gacccctctat	tttgtgatga	2460
tgctgtgaca	ataagtttga	accttttttt	ttgaaacagc	agtcccagta	ttctcagagc	2520
atgtgtcaga	gtgttggtcc	gttaaccttt	ttgtaaatac	tgcttgaccg	tactctcaca	2580
tgtggcaaaa	tatggtttgg	tttttctttt	ttttttttga	aagtgttttt	tcttcgtcct	2640
tttggtttta	aaagtttcac	gtcttggtgc	cttttgtgtg	atgccccttg	ctgatggctt	2700
gacatgtgca	attgtgaggg	acatgctcac	ctctagcctt	aaggggggca	gggagtgatg	2760
atgtggggga	ggctttggga	gcaaaataag	gaagagggtc	gagctgagct	tcggttctcc	2820
agaatgtaag	aaaacaaaat	ctaaaacaaa	atctgaactc	tcaaaagtct	atttttttta	2880
ctgaaaatgt	aaattttata	atatattcag	gagttggaat	gttgtagtta	cctactgagt	2940
aggcggcgat	ttttgtatgt	tatgaacatg	cagttcatta	ttttgtgggt	ctattttact	3000
ttgtacttgt	gtttgcttaa	acaaagtgc	tggttggtct	ataaacacat	tgaatgcgct	3060
ttattgcca	tgggatatgt	ggtgtatatc	cttccaaaaa	attaaaacga	aaataaagta	3120
gctgcgattg	gg					3132

<210> 321

<211> 2280

<212> DNA

<213> Homo sapiens

<400> 321

ccgcccgcga	ccagctacgc	cccgtccgac	gtgccctcgg	gggtcgcgct	gttcctcacc	60
atccctttcg	ccttcttcct	gcccagagctg	atatttgggt	tcttgggtctg	gaccatggta	120
gccgccaccc	acatagtata	ccccttgctg	caaggatggg	tgatgtatgt	ctcgctcacc	180
tcgtttctca	tctccttgat	gttcctgttg	tcttacttgt	ttggatttta	caaaagattt	240
gaatcctgga	gagttctgga	cagcctgtac	cacgggacca	ctggcatcct	gtacatgagc	300
gctgccgtcc	tacaagtaca	tgccacgatt	gtttctgaga	aactgctgga	ccaagaatt	360
tactacatta	atcggcagc	ctcgttcttc	gccttcacg	ccacgctgct	ctacattctc	420
catgccttca	gcatctatta	ccactgatgc	acaggcgcca	ggccaagggg	gaaatgctct	480
ttgaaagctc	caattattgg	tccccaaaag	cagcttccaa	cgtttgccat	ctggatgaca	540
aacggaagat	ccactaaaac	gtccacggga	ttaacagaac	gtccttgag	actgagcgat	600
gacaccacac	tttgtttgga	cattttaaatt	cactctgctg	aataggagga	agcttttctt	660
tttcctggga	aaacaactgt	ctcttggaat	tatctgacca	tgaacttgct	cttctagaca	720
actcacatca	aagccctcac	tccactaatg	gagaatccta	gcccactaa	tgccaagtct	780
gtttggggat	tttgctcag	ctatgggctt	ccctagagta	ggcttagggg	aatactcagt	840
ctgatctttt	ttttgtttgt	tttattttgt	tttttttgag	acggagtctc	gctcttcctc	900
caaggctgga	gtgcagtgac	gcgatctcca	ctcactgcag	gctccgcctc	ccgggttccc	960
gccattctcc	tgccctcagcc	tcccagagtag	ccgggactac	aggcgccac	caccatgccc	1020

```

ggctaattta gttgtatfff tagtagagat ggggtttcac cgtattagcc aggatgggtct 1080
cgatctcctg acctcgtgat cgcgccgcct cggcctccca aagtgctggg attacaggcg 1140
tgagccaccg tgcccggcct gattctctta aaattgaaga ggtgctgcca aggccttcag 1200
atctaacgca gatgcataga ccttgttcct ggtacttggt cagcctgtgc tggggagccg 1260
tggtcccagag ttccctggga ggctgacagg gtcaagccac cctgcccacc accctcccac 1320
ttcccctccc ctttctcttc cagcattagg attcaaggga aatctgcatg aagccaattt 1380
tgagggtaga cgtgtgggga aaataaatca ttatacagta agacctgggg cttgaggggt 1440
ggggaatggg gaggggaagg catagcctgc tcctccatga gtctgacatc tcggaaactg 1500
agcagctgcc ggacgcctgg gtcaggaatc caagacccca cctcttaagg actggttcct 1560
cagaaagcac cctcagggaa aaagggtgaaa acattacatc cgtggattct cctgccacaa 1620
ccgcattgga agaaaaggct gccgcaacat ctcagcgagg agtgaaggac ccatgtccca 1680
ggaaccgcgc tgcgccacct gcactcacc cctcacatt ctcttaagca cccggtggcc 1740
ctccgaggct ggcggaatgg tgggtgccac ggggttgggc aagggtcac caggacctca 1800
acgggcaaag ttgtgcacac taaaatatca aatcaagggt cttggtttta aagtaaatgt 1860
ttttctaaag aaagctgtgt tcttctgttg acccagacga atagggcaca gccctgtaac 1920
tgcacgtgcc ttctgtcatt gggaatgaaa taaattatta cgagaaaggg acttgtccta 1980
actggtttga ggccttacag ttttgtatct acatttttcc cctcctgggg tttgcgggga 2040
cagggacaga actacaggag tcatgggaaa gaaaattctg gcttcactac tgctcactgc 2100
tacttttctg atcactctga tacttttttt tttttttttt ttttgcaacc tgataccttg 2160
aaaagcttct atgtgtctct ccttttgttg cctggcagct gtctaggatg atcactgatt 2220
actatttact aagtagccac atgcaaataa aagttgtttg gtaaaatgga aaaaaaaaaa 2280

```

<210> 322

<211> 1398

<212> DNA

<213> Homo sapiens

<400> 322

```

tagatggcaa cctccctatc tgcccgcagg tcatagaggg gacacgtagc gtcattctgac 60
cctgaagcaa aggcattctcc actccaaagt tagacaaaat gccaggaatg ttcttctctg 120
ctaaccctaaa ggaattgaaa ggaaccactc attcacttct agacgacaaa atgcaaaaaa 180
ggaggccaaa gacttttgga atggatatga aagcatacct gagatctatg atcccacatc 240
tggaatctgg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300
aatgggtctca atctctggaa aaacttcttg ccaaccaaac tgggtcaaat gtcttttgaa 360
gtttcctaaa gtctgaattc agtgaggaga atattgagtt ctggctgggt tgtgaagact 420
ataagaaaac agagtctgat cttttgccct gtaaagcaga agagatatat aaagcatttg 480
tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540
agaagattaa agcaccaacc cccacgtggt ttgatgaagc acaaaaagtc atatatactc 600
ttatggaaaa ggactcttat cccagggttc tcaaatcaga tatttactta aatcttctaa 660
atgacctgca ggctaatagc ctaaaagtgc tgggtccctgg ctgaagggaa ttaacagata 720
gtatcaaggc acgaagggaat gtgccagtat ggctccctgg gtgaacagct tggccttttt 780
tggtgtctct gacaggccaa gaagaacaaa tgactcagaa tggattaaca tgaaagtatt 840
ccaggcgcag agttgaagaa gcataagcaa gacaaaaaca gagagaccgc agaaggagga 900
agatactgtg gtactgtcat aaaaaacagt ggagctctgt attagaaagc ccctcagaac 960
tggaaggcc aggttaactct agttacacag aaactgtgac taaagtctat gaaactgatt 1020
acaacaggct gtaagaatca aagtcaactg acatctatgc tacatattat tatatagttt 1080
gtactgagct attgaagtcc cattaactta aagtatatgt tttcaaattg ccattgctac 1140
tattgcttgt cgggtgattt tattttattg tttttgactt tggaagagat gaactgtgta 1200
tttaacttaa gctattgctc ttaaaaccag ggatcagaat atatttgtaa gttaaatcat 1260
tggtgctaata aataaatgtg gattttgtat taaaatatat agaagcaatt tctgtttaca 1320
tgctccttgct acttttaaaa acttgcattt attcctcaga ttttaaaaat aaataaataa 1380
ttcattttaa aaaaaaaaaa 1398

```

<210> 323
 <211> 1316
 <212> DNA
 <213> Homo sapiens

<400> 323

```

acttctacct gctcactcag aatcatttct gcaccaacca tggccacggt tgtggagctc 60
agtaccaaag ccaagatgcc cattgtgggc ctgggcactt ggaagtctcc tcttggcaaa 120
gtgaaagaag cagtgaaggt ggccattgat gcaggatata ggcacattga ctgtgcctat 180
gtctatcaga atgaacatga agtgggggaa gccatccaag agaagatcca agagaaggct 240
gtgaagcggg aggacctgtt catcgtcagc aagttgtggc ccactttctt tgagagaccc 300
cttgtgagga aagcctttga gaagaccctc aaggacctga agctgagcta tctggacgctc 360
tatcttattc actggccaca gggattcaag tctgggggatg accttttccc caaagatgat 420
aaaggtaatg ccatcgggtgg aaaagcaacg ttcttgggatg cctgggaggc catggaggag 480
ctggtggatg aggggctggt gaaagccctt ggggtctcca atttcagcca cttccagatc 540
gagaagctct tgaacaaacc tggactgaaa tataaaccag tgactaacca gggtgagtgt 600
cacccatacc tcacacagga gaaactgata cagtactgcc actccaaggg catcaccgtt 660
acggcctaca gccccctggg ctctccggat agaccttggg ccaagccaga agacccttcc 720
ctgctggagg atcccaagat taaggagatt gctgcaaagc acaaaaaaac cgcagcccag 780
gttctgatcc gtttccatat ccagaggaat gtgattgtca tccccaagtc tgtgacacca 840
gcacgcattg ttgagaacat tcaggtcttt gactttaaat tgagtgatga ggagatggca 900
accatactca gcttcaacag aaactggagg gcctgtaacg tgttgcaatc ctctcatttg 960
gaagactatc ctttcaatgc agaataatga ggttgaatct cctggtgaga ttatacagga 1020
gattctcttt cttecgctgaa gtgtgactac ctccactcat gtcccatttt agccaagctt 1080
atttaagatc acagtgaact tagtctgtt atagacgaga atcgaggtgc tgttttagac 1140
atattattct gtatgttcaa ctaggatcag aatatcacag aaaagcatgg cttgaataag 1200
gaaatgacaa ttttttccac ttatctgatc agaacaaatg tttattaagc atcagaaaact 1260
ctgccaacac tgaggatgta aagatcaata aaacaaataa taatcataaa aaaaaa 1316

```

<210> 324
 <211> 200
 <212> PRT
 <213> Homo sapiens

<400> 324

```

Met Ala Lys Gly Asp Pro Lys Lys Pro Lys Gly Lys Thr Ser Ala Tyr
  1          5          10          15
Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro
  20          25          30
Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg
  35          40          45
Trp Lys Thr Val Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
  50          55          60
Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
  65          70          75          80
Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
  85          90          95
Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
  100         105         110
Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
  115         120         125
Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
  130         135         140
Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr

```

145					150					155					160
Lys	Ser	Lys	Gly	Lys	Phe	Asp	Gly	Ala	Lys	Gly	Pro	Ala	Lys	Val	Ala
				165					170					175	
Arg	Lys	Lys	Val	Glu	Glu	Glu	Asp	Glu	Glu	Gln	Glu	Glu	Glu	Glu	Glu
			180					185					190		
Glu	Glu	Glu	Glu	Glu	Glu	Asp	Glu								
			195				200								

<210> 325

<211> 263

<212> PRT

<213> Homo sapiens

<400> 325

Met	Phe	Arg	Asn	Gln	Tyr	Asp	Asn	Asp	Val	Thr	Val	Trp	Ser	Pro	Gln
1				5					10					15	
Gly	Arg	Ile	His	Gln	Ile	Glu	Tyr	Ala	Met	Glu	Ala	Val	Lys	Gln	Gly
			20					25					30		
Ser	Ala	Thr	Val	Gly	Leu	Lys	Ser	Lys	Thr	His	Ala	Val	Leu	Val	Ala
		35					40					45			
Leu	Lys	Arg	Ala	Gln	Ser	Glu	Leu	Ala	Ala	His	Gln	Lys	Lys	Ile	Leu
	50					55					60				
His	Val	Asp	Asn	His	Ile	Gly	Ile	Ser	Ile	Ala	Gly	Leu	Thr	Ala	Asp
65					70					75					80
Ala	Arg	Leu	Leu	Cys	Asn	Phe	Met	Arg	Gln	Glu	Cys	Leu	Asp	Ser	Arg
			85						90					95	
Phe	Val	Phe	Asp	Arg	Pro	Leu	Pro	Val	Ser	Arg	Leu	Val	Ser	Leu	Ile
			100					105					110		
Gly	Ser	Lys	Thr	Gln	Ile	Pro	Thr	Gln	Arg	Tyr	Gly	Arg	Arg	Pro	Tyr
		115					120					125			
Gly	Val	Gly	Leu	Leu	Ile	Ala	Gly	Tyr	Asp	Asp	Met	Gly	Pro	His	Ile
	130					135					140				
Phe	Gln	Thr	Cys	Pro	Ser	Ala	Asn	Tyr	Phe	Asp	Cys	Arg	Ala	Met	Ser
145					150				155						160
Ile	Gly	Ala	Arg	Ser	Gln	Ser	Ala	Arg	Thr	Tyr	Leu	Glu	Arg	His	Met
			165					170						175	
Ser	Glu	Phe	Met	Glu	Cys	Asn	Leu	Asn	Glu	Leu	Val	Lys	His	Gly	Leu
			180					185					190		
Arg	Ala	Leu	Arg	Glu	Thr	Leu	Pro	Ala	Glu	Gln	Asp	Leu	Thr	Thr	Lys
		195					200					205			
Asn	Val	Ser	Ile	Gly	Ile	Val	Gly	Lys	Asp	Leu	Glu	Phe	Thr	Ile	Tyr
	210					215					220				
Asp	Asp	Asp	Asp	Val	Ser	Pro	Phe	Leu	Glu	Gly	Leu	Glu	Glu	Arg	Pro
225					230					235					240
Gln	Arg	Lys	Ala	Gln	Pro	Ala	Gln	Pro	Ala	Asp	Glu	Pro	Ala	Glu	Lys
			245					250						255	
Ala	Asp	Glu	Pro	Met	Glu	His									
			260												

<210> 326

<211> 539

<212> PRT

<213> Homo sapiens

<400> 326

Met	Pro	Glu	Asn	Val	Ala	Pro	Arg	Ser	Gly	Ala	Thr	Ala	Gly	Ala	Ala
1				5					10					15	
Gly	Gly	Arg	Gly	Lys	Gly	Ala	Tyr	Gln	Asp	Arg	Asp	Lys	Pro	Ala	Gln
			20					25					30		
Ile	Arg	Phe	Ser	Asn	Ile	Ser	Ala	Ala	Lys	Ala	Val	Ala	Asp	Ala	Ile
		35					40					45			
Arg	Thr	Ser	Leu	Gly	Pro	Lys	Gly	Met	Asp	Lys	Met	Ile	Gln	Asp	Gly
	50					55					60				
Lys	Gly	Asp	Val	Thr	Ile	Thr	Asn	Asp	Gly	Ala	Thr	Ile	Leu	Lys	Gln
65					70					75					80
Met	Gln	Val	Leu	His	Pro	Ala	Ala	Arg	Met	Leu	Val	Glu	Leu	Ser	Lys
				85					90					95	
Ala	Gln	Asp	Ile	Glu	Ala	Gly	Asp	Gly	Thr	Thr	Ser	Val	Val	Ile	Ile
			100					105					110		
Ala	Gly	Ser	Leu	Leu	Asp	Ser	Cys	Thr	Lys	Leu	Leu	Gln	Lys	Gly	Ile
		115					120					125			
His	Pro	Thr	Ile	Ile	Ser	Glu	Ser	Phe	Gln	Lys	Ala	Leu	Glu	Lys	Gly
	130					135					140				
Ile	Glu	Ile	Leu	Thr	Asp	Met	Ser	Arg	Pro	Val	Glu	Leu	Ser	Asp	Arg
145					150					155					160
Glu	Thr	Leu	Leu	Asn	Ser	Ala	Thr	Thr	Ser	Leu	Asn	Ser	Lys	Val	Val
				165					170					175	
Ser	Gln	Tyr	Ser	Ser	Leu	Leu	Ser	Pro	Met	Ser	Val	Asn	Ala	Val	Met
			180					185					190		
Lys	Val	Ile	Asp	Pro	Ala	Thr	Ala	Thr	Ser	Val	Asp	Leu	Arg	Asp	Ile
		195					200					205			
Lys	Ile	Val	Lys	Lys	Leu	Gly	Gly	Thr	Ile	Asp	Asp	Cys	Glu	Leu	Val
	210					215					220				
Glu	Gly	Leu	Val	Leu	Thr	Gln	Lys	Val	Ser	Asn	Ser	Gly	Ile	Thr	Arg
225					230					235					240
Val	Glu	Lys	Ala	Lys	Ile	Gly	Leu	Ile	Gln	Phe	Cys	Leu	Ser	Ala	Pro
				245					250					255	
Lys	Thr	Asp	Met	Asp	Asn	Gln	Ile	Val	Val	Ser	Asp	Tyr	Ala	Gln	Met
			260					265					270		
Asp	Arg	Val	Leu	Arg	Glu	Glu	Arg	Ala	Tyr	Ile	Leu	Asn	Leu	Val	Lys
		275					280					285			
Gln	Ile	Lys	Lys	Thr	Gly	Cys	Asn	Val	Leu	Leu	Ile	Gln	Lys	Ser	Ile
	290					295					300				
Leu	Arg	Asp	Ala	Leu	Ser	Asp	Leu	Ala	Leu	His	Phe	Leu	Asn	Lys	Met
305					310					315					320
Lys	Ile	Met	Val	Ile	Lys	Asp	Ile	Glu	Arg	Glu	Asp	Ile	Glu	Phe	Ile
				325					330					335	
Cys	Lys	Thr	Ile	Gly	Thr	Lys	Pro	Val	Ala	His	Ile	Asp	Gln	Phe	Thr
			340						345				350		
Ala	Asp	Met	Leu	Gly	Ser	Ala	Glu	Leu	Ala	Glu	Glu	Val	Asn	Leu	Asn
		355					360					365			
Gly	Ser	Gly	Lys	Leu	Leu	Lys	Ile	Thr	Gly	Cys	Ala	Ser	Pro	Gly	Lys
	370					375					380				
Thr	Val	Thr	Ile	Val	Val	Arg	Gly	Ser	Asn	Lys	Leu	Val	Ile	Glu	Glu
385					390					395					400
Ala	Glu	Arg	Ser	Ile	His	Asp	Ala	Leu	Cys	Val	Ile	Arg	Cys	Leu	Val

				405					410				415			
Lys	Lys	Arg	Ala	Leu	Ile	Ala	Gly	Gly	Gly	Ala	Pro	Glu	Ile	Glu	Leu	
			420					425					430			
Ala	Leu	Arg	Leu	Thr	Glu	Tyr	Ser	Arg	Thr	Leu	Ser	Gly	Met	Glu	Ser	
		435					440					445				
Tyr	Cys	Val	Arg	Ala	Phe	Ala	Asp	Ala	Met	Glu	Val	Ile	Pro	Ser	Thr	
	450					455					460					
Leu	Ala	Glu	Asn	Ala	Gly	Leu	Asn	Pro	Ile	Ser	Thr	Val	Thr	Glu	Leu	
465					470				475						480	
Arg	Asn	Arg	His	Ala	Gln	Gly	Glu	Lys	Thr	Ala	Gly	Ile	Asn	Val	Arg	
			485					490					495			
Lys	Gly	Gly	Ile	Ser	Asn	Ile	Leu	Glu	Glu	Leu	Val	Val	Gln	Pro	Leu	
			500					505					510			
Leu	Val	Ser	Val	Ser	Ala	Leu	Thr	Leu	Ala	Thr	Glu	Thr	Val	Arg	Ser	
		515					520					525				
Ile	Leu	Lys	Ile	Asp	Asp	Val	Val	Asn	Thr	Arg						
	530					535										

<210> 327
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 327

Met	Ala	Phe	Thr	Phe	Ala	Ala	Phe	Cys	Tyr	Met	Leu	Ala	Leu	Leu	Leu	
1				5				10					15			
Thr	Ala	Ala	Leu	Ile	Phe	Phe	Ala	Ile	Trp	His	Ile	Ile	Ala	Phe	Asp	
			20					25				30				
Glu	Leu	Lys	Thr	Asp	Tyr	Lys	Asn	Pro	Ile	Asp	Gln	Cys	Asn	Thr	Leu	
		35					40					45				
Asn	Pro	Leu	Val	Leu	Pro	Glu	Tyr	Leu	Ile	His	Ala	Phe	Phe	Cys	Val	
	50					55				60						
Met	Phe	Leu	Cys	Ala	Ala	Glu	Trp	Leu	Thr	Leu	Gly	Leu	Asn	Met	Pro	
65				70					75					80		
Leu	Leu	Ala	Tyr	His	Ile	Trp	Arg	Tyr	Met	Ser	Arg	Pro	Val	Met	Ser	
			85					90					95			
Gly	Pro	Gly	Leu	Tyr	Asp	Pro	Thr	Thr	Ile	Met	Asn	Ala	Asp	Ile	Leu	
		100						105					110			
Ala	Tyr	Cys	Gln	Lys	Glu	Gly	Trp	Cys	Lys	Leu	Ala	Phe	Tyr	Leu	Leu	
	115					120					125					
Ala	Phe	Phe	Tyr	Tyr	Leu	Tyr	Gly	Met	Ile	Tyr	Val	Leu	Val	Ser	Ser	
	130					135					140					

<210> 328
 <211> 138
 <212> PRT
 <213> Homo sapiens

<400> 328

Met	Pro	Asn	Phe	Ser	Gly	Asn	Trp	Lys	Ile	Ile	Arg	Ser	Glu	Asn	Phe	
1				5				10					15			
Glu	Glu	Leu	Leu	Lys	Val	Leu	Gly	Val	Asn	Val	Met	Leu	Arg	Lys	Ile	

			20					25					30				
Ala	Val	Ala	Ala	Ala	Ser	Lys	Pro	Ala	Val	Glu	Ile	Lys	Gln	Glu	Gly		
		35					40					45					
Asp	Thr	Phe	Tyr	Ile	Lys	Thr	Ser	Thr	Thr	Val	Arg	Thr	Thr	Glu	Ile		
	50					55					60						
Asn	Phe	Lys	Val	Gly	Glu	Glu	Phe	Glu	Glu	Gln	Thr	Val	Asp	Gly	Arg		
65					70					75					80		
Pro	Cys	Lys	Ser	Leu	Val	Lys	Trp	Glu	Ser	Glu	Asn	Lys	Met	Val	Cys		
				85				90					95				
Glu	Gln	Lys	Leu	Leu	Lys	Gly	Glu	Gly	Pro	Lys	Thr	Ser	Trp	Thr	Arg		
			100					105					110				
Glu	Leu	Thr	Asn	Asp	Gly	Glu	Leu	Ile	Leu	Thr	Met	Thr	Ala	Asp	Asp		
		115					120					125					
Val	Val	Cys	Thr	Arg	Val	Tyr	Val	Arg	Glu								
	130					135											

<210> 329

<211> 346

<212> PRT

<213> Homo sapiens

<400> 329

Met	Phe	Leu	Ser	Ile	Leu	Val	Ala	Leu	Cys	Leu	Trp	Leu	His	Leu	Ala		
1				5					10					15			
Leu	Gly	Val	Arg	Gly	Ala	Pro	Cys	Glu	Ala	Val	Arg	Ile	Pro	Met	Cys		
			20					25					30				
Arg	His	Met	Pro	Trp	Asn	Ile	Thr	Arg	Met	Pro	Asn	His	Leu	His	His		
		35					40					45					
Ser	Thr	Gln	Glu	Asn	Ala	Ile	Leu	Ala	Ile	Glu	Gln	Tyr	Glu	Glu	Leu		
	50					55					60						
Val	Asp	Val	Asn	Cys	Ser	Ala	Val	Leu	Arg	Phe	Phe	Phe	Cys	Ala	Met		
65				70					75						80		
Tyr	Ala	Pro	Ile	Cys	Thr	Leu	Glu	Phe	Leu	His	Asp	Pro	Ile	Lys	Pro		
				85				90						95			
Cys	Lys	Ser	Val	Cys	Gln	Arg	Ala	Arg	Asp	Asp	Cys	Glu	Pro	Leu	Met		
			100					105					110				
Lys	Met	Tyr	Asn	His	Ser	Trp	Pro	Glu	Ser	Leu	Ala	Cys	Asp	Glu	Leu		
		115					120					125					
Pro	Val	Tyr	Asp	Arg	Gly	Val	Cys	Ile	Ser	Pro	Glu	Ala	Ile	Val	Thr		
	130					135						140					
Asp	Leu	Pro	Glu	Asp	Val	Lys	Trp	Ile	Asp	Ile	Thr	Pro	Asp	Met	Met		
145					150					155					160		
Val	Gln	Glu	Arg	Pro	Leu	Asp	Val	Asp	Cys	Lys	Arg	Leu	Ser	Pro	Asp		
				165					170					175			
Arg	Cys	Lys	Cys	Lys	Lys	Val	Lys	Pro	Thr	Leu	Ala	Thr	Tyr	Leu	Ser		
			180					185					190				
Lys	Asn	Tyr	Ser	Tyr	Val	Ile	His	Ala	Lys	Ile	Lys	Ala	Val	Gln	Arg		
		195					200					205					
Ser	Gly	Cys	Asn	Glu	Val	Thr	Thr	Val	Val	Asp	Val	Lys	Glu	Ile	Phe		
	210					215					220						
Lys	Ser	Ser	Ser	Pro	Ile	Pro	Arg	Thr	Gln	Val	Pro	Leu	Ile	Thr	Asn		
225					230					235					240		
Ser	Ser	Cys	Gln	Cys	Pro	His	Ile	Leu	Pro	His	Gln	Asp	Val	Leu	Ile		

Met	Cys	Tyr	Glu	Trp	Arg	Ser	Arg	Met	Met	Leu	Leu	Glu	Asn	Cys	Leu
			260					265					270		
Val	Glu	Lys	Trp	Arg	Asp	Gln	Leu	Ser	Lys	Arg	Ser	Ile	Gln	Trp	Glu
		275					280					285			
Glu	Arg	Leu	Gln	Glu	Gln	Arg	Arg	Thr	Val	Gln	Asp	Lys	Lys	Lys	Thr
	290					295					300				
Ala	Gly	Arg	Thr	Ser	Arg	Ser	Asn	Pro	Pro	Lys	Pro	Lys	Gly	Lys	Pro
305					310					315					320
Pro	Ala	Pro	Lys	Pro	Ala	Ser	Pro	Lys	Lys	Asn	Ile	Lys	Thr	Arg	Ser
			325						330					335	
Ala	Gln	Lys	Arg	Thr	Asn	Pro	Lys	Arg	Val						
			340					345							

<210> 330

<211> 826

<212> PRT

<213> Homo sapiens

<400> 330

Met	Glu	Gly	Ala	Gly	Gly	Ala	Asn	Asp	Lys	Lys	Lys	Ile	Ser	Ser	Glu
1				5					10					15	
Arg	Arg	Lys	Glu	Lys	Ser	Arg	Asp	Ala	Ala	Arg	Ser	Arg	Arg	Ser	Lys
			20					25					30		
Glu	Ser	Glu	Val	Phe	Tyr	Glu	Leu	Ala	His	Gln	Leu	Pro	Leu	Pro	His
		35					40					45			
Asn	Val	Ser	Ser	His	Leu	Asp	Lys	Ala	Ser	Val	Met	Arg	Leu	Thr	Ile
	50					55					60				
Ser	Tyr	Leu	Arg	Val	Arg	Lys	Leu	Leu	Asp	Ala	Gly	Asp	Leu	Asp	Ile
65					70					75					80
Glu	Asp	Asp	Met	Lys	Ala	Gln	Met	Asn	Cys	Phe	Tyr	Leu	Lys	Ala	Leu
				85					90					95	
Asp	Gly	Phe	Val	Met	Val	Leu	Thr	Asp	Asp	Gly	Asp	Met	Ile	Tyr	Ile
			100					105					110		
Ser	Asp	Asn	Val	Asn	Lys	Tyr	Met	Gly	Leu	Thr	Gln	Phe	Glu	Leu	Thr
		115					120					125			
Gly	His	Ser	Val	Phe	Asp	Phe	Thr	His	Pro	Cys	Asp	His	Glu	Glu	Met
	130					135					140				
Arg	Glu	Met	Leu	Thr	His	Arg	Asn	Gly	Leu	Val	Lys	Lys	Gly	Lys	Glu
145					150					155					160
Gln	Asn	Thr	Gln	Arg	Ser	Phe	Phe	Leu	Arg	Met	Lys	Cys	Thr	Leu	Thr
				165					170					175	
Ser	Arg	Gly	Arg	Thr	Met	Asn	Ile	Lys	Ser	Ala	Thr	Trp	Lys	Val	Leu
		180						185					190		
His	Cys	Thr	Gly	His	Ile	His	Val	Tyr	Asp	Thr	Asn	Ser	Asn	Gln	Pro
	195						200					205			
Gln	Cys	Gly	Tyr	Lys	Lys	Pro	Pro	Met	Thr	Cys	Leu	Val	Leu	Ile	Cys
	210					215					220				
Glu	Pro	Ile	Pro	His	Pro	Ser	Asn	Ile	Glu	Ile	Pro	Leu	Asp	Ser	Lys
225					230					235					240
Thr	Phe	Leu	Ser	Arg	His	Ser	Leu	Asp	Met	Lys	Phe	Ser	Tyr	Cys	Asp
				245					250					255	
Glu	Arg	Ile	Thr	Glu	Leu	Met	Gly	Tyr	Glu	Pro	Glu	Glu	Leu	Leu	Gly

			260					265					270			
Arg	Ser	Ile	Tyr	Glu	Tyr	Tyr	His	Ala	Leu	Asp	Ser	Asp	His	Leu	Thr	
		275					280					285				
Lys	Thr	His	His	Asp	Met	Phe	Thr	Lys	Gly	Gln	Val	Thr	Thr	Gly	Gln	
	290					295					300					
Tyr	Arg	Met	Leu	Ala	Lys	Arg	Gly	Gly	Tyr	Val	Trp	Val	Glu	Thr	Gln	
305					310					315					320	
Ala	Thr	Val	Ile	Tyr	Asn	Thr	Lys	Asn	Ser	Gln	Pro	Gln	Cys	Ile	Val	
			325						330					335		
Cys	Val	Asn	Tyr	Val	Val	Ser	Gly	Ile	Ile	Gln	His	Asp	Leu	Ile	Phe	
			340					345					350			
Ser	Leu	Gln	Gln	Thr	Glu	Cys	Val	Leu	Lys	Pro	Val	Glu	Ser	Ser	Asp	
	355						360					365				
Met	Lys	Met	Thr	Gln	Leu	Phe	Thr	Lys	Val	Glu	Ser	Glu	Asp	Thr	Ser	
	370					375					380					
Ser	Leu	Phe	Asp	Lys	Leu	Lys	Lys	Glu	Pro	Asp	Ala	Leu	Thr	Leu	Leu	
385					390					395					400	
Ala	Pro	Ala	Ala	Gly	Asp	Thr	Ile	Ile	Ser	Leu	Asp	Phe	Gly	Ser	Asn	
				405					410					415		
Asp	Thr	Glu	Thr	Asp	Asp	Gln	Gln	Leu	Glu	Glu	Val	Pro	Leu	Tyr	Asn	
			420					425					430			
Asp	Val	Met	Leu	Pro	Ser	Pro	Asn	Glu	Lys	Leu	Gln	Asn	Ile	Asn	Leu	
		435					440					445				
Ala	Met	Ser	Pro	Leu	Pro	Thr	Ala	Glu	Thr	Pro	Lys	Pro	Leu	Arg	Ser	
	450					455					460					
Ser	Ala	Asp	Pro	Ala	Leu	Asn	Gln	Glu	Val	Ala	Leu	Lys	Leu	Glu	Pro	
465					470					475					480	
Asn	Pro	Glu	Ser	Leu	Glu	Leu	Ser	Phe	Thr	Met	Pro	Gln	Ile	Gln	Asp	
			485					490						495		
Gln	Thr	Pro	Ser	Pro	Ser	Asp	Gly	Ser	Thr	Arg	Gln	Ser	Ser	Pro	Glu	
			500					505						510		
Pro	Asn	Ser	Pro	Ser	Glu	Tyr	Cys	Phe	Tyr	Val	Asp	Ser	Asp	Met	Val	
		515					520					525				
Asn	Glu	Phe	Lys	Leu	Glu	Leu	Val	Glu	Lys	Leu	Phe	Ala	Glu	Asp	Thr	
	530					535					540					
Glu	Ala	Lys	Asn	Pro	Phe	Ser	Thr	Gln	Asp	Thr	Asp	Leu	Asp	Leu	Glu	
545					550					555					560	
Met	Leu	Ala	Pro	Tyr	Ile	Pro	Met	Asp	Asp	Asp	Phe	Gln	Leu	Arg	Ser	
				565				570						575		
Phe	Asp	Gln	Leu	Ser	Pro	Leu	Glu	Ser	Ser	Ser	Ala	Ser	Pro	Glu	Ser	
			580					585					590			
Ala	Ser	Pro	Gln	Ser	Thr	Val	Thr	Val	Phe	Gln	Gln	Thr	Gln	Ile	Gln	
		595					60									

690		695		700
Glu Leu Asn Pro Lys Ile	Leu Ala Leu Gln Asn	Ala Gln Arg Lys Arg		
705	710	715		720
Lys Met Glu His Asp Gly	Ser Leu Phe Gln Ala	Val Gly Ile Gly Thr		
	725	730		735
Leu Leu Gln Gln Pro Asp	Asp His Ala Ala Thr	Thr Ser Leu Ser Trp		
	740	745		750
Lys Arg Val Lys Gly Cys	Lys Ser Ser Glu Gln	Asn Gly Met Glu Gln		
	755	760		765
Lys Thr Ile Ile Leu Ile	Pro Ser Asp Leu Ala	Cys Arg Leu Leu Gly		
	770	775		780
Gln Ser Met Asp Glu Ser	Gly Leu Pro Gln Leu	Thr Ser Tyr Asp Cys		
785	790	795		800
Glu Val Asn Ala Pro Ile	Gln Gly Ser Arg Asn	Leu Leu Gln Gly Glu		
	805	810		815
Glu Leu Leu Arg Ala Leu	Asp Gln Val Asn			
	820	825		

<210> 331
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 331

Met Ala Tyr Arg Gly Gln Gly Gln Lys Val Gln Lys Val Met Val Gln	
1 5 10 15	
Pro Ile Asn Leu Ile Phe Arg Tyr Leu Gln Asn Arg Ser Arg Ile Gln	
20 25 30	
Val Trp Leu Tyr Glu Gln Val Asn Met Arg Ile Glu Gly Cys Ile Ile	
35 40 45	
Gly Phe Asp Glu Tyr Met Asn Leu Val Leu Asp Asp Ala Glu Glu Ile	
50 55 60	
His Ser Lys Thr Lys Ser Arg Lys Gln Leu Gly Arg Ile Met Leu Lys	
65 70 75 80	
Gly Asp Asn Ile Thr Leu Leu Gln Ser Val Ser Asn	
85 90	

<210> 332
 <211> 235
 <212> PRT
 <213> Homo sapiens

<400> 332

Met Asp Pro Ala Arg Pro Leu Gly Leu Ser Ile Leu Leu Leu Phe Leu	
1 5 10 15	
Thr Glu Ala Ala Leu Gly Asp Ala Ala Gln Glu Pro Thr Gly Asn Asn	
20 25 30	
Ala Glu Ile Cys Leu Leu Pro Leu Asp Tyr Gly Pro Cys Arg Ala Leu	
35 40 45	
Leu Leu Arg Tyr Tyr Tyr Asp Arg Tyr Thr Gln Ser Cys Arg Gln Phe	
50 55 60	
Leu Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Tyr Thr Trp Glu	

65					70					75					80
Ala	Cys	Asp	Asp	Ala	Cys	Trp	Arg	Ile	Glu	Lys	Val	Pro	Lys	Val	Cys
				85					90					95	
Arg	Leu	Gln	Val	Ser	Val	Asp	Asp	Gln	Cys	Glu	Gly	Ser	Thr	Glu	Lys
			100					105					110		
Tyr	Phe	Phe	Asn	Leu	Ser	Ser	Met	Thr	Cys	Glu	Lys	Phe	Phe	Ser	Gly
		115					120					125			
Gly	Cys	His	Arg	Asn	Arg	Ile	Glu	Asn	Arg	Phe	Pro	Asp	Glu	Ala	Thr
	130					135				140					
Cys	Met	Gly	Phe	Cys	Ala	Pro	Lys	Lys	Ile	Pro	Ser	Phe	Cys	Tyr	Ser
145					150					155					160
Pro	Lys	Asp	Glu	Gly	Leu	Cys	Ser	Ala	Asn	Val	Thr	Arg	Tyr	Tyr	Phe
			165						170					175	
Asn	Pro	Arg	Tyr	Arg	Thr	Cys	Asp	Ala	Phe	Thr	Tyr	Thr	Gly	Cys	Gly
		180					185						190		
Gly	Asn	Asp	Asn	Asn	Phe	Val	Ser	Arg	Glu	Asp	Cys	Lys	Arg	Ala	Cys
	195						200				205				
Ala	Lys	Ala	Leu	Lys	Lys	Lys	Lys	Lys	Met	Pro	Lys	Leu	Arg	Phe	Ala
	210					215					220				
Ser	Arg	Ile	Arg	Lys	Ile	Arg	Lys	Lys	Gln	Phe					
225					230					235					

<210> 333
 <211> 291
 <212> PRT
 <213> Homo sapiens

<400> 333

Met	Gln	Arg	Ala	Arg	Pro	Thr	Leu	Trp	Ala	Ala	Ala	Leu	Thr	Leu	Leu
1				5					10					15	
Val	Leu	Leu	Arg	Gly	Pro	Pro	Val	Ala	Arg	Ala	Gly	Ala	Ser	Ser	Gly
			20					25					30		
Gly	Leu	Gly	Pro	Val	Val	Arg	Cys	Glu	Pro	Cys	Asp	Ala	Arg	Ala	Leu
	35						40					45			
Ala	Gln	Cys	Ala	Pro	Pro	Pro	Ala	Val	Cys	Ala	Glu	Leu	Val	Arg	Glu
	50					55					60				
Pro	Gly	Cys	Gly	Cys	Cys	Leu	Thr	Cys	Ala	Leu	Ser	Glu	Gly	Gln	Pro
65					70					75					80
Cys	Gly	Ile	Tyr	Thr	Glu	Arg	Cys	Gly	Ser	Gly	Leu	Arg	Cys	Gln	Pro
			85						90					95	
Ser	Pro	Asp	Glu	Ala	Arg	Pro	Leu	Gln	Ala	Leu	Leu	Asp	Gly	Arg	Gly
		100						105					110		
Leu	Cys	Val	Asn	Ala	Ser	Ala	Val	Ser	Arg	Leu	Arg	Ala	Tyr	Leu	Leu
	115						120					125			
Pro	Ala	Pro	Pro	Ala	Pro	Gly	Asn	Ala	Ser	Glu	Ser	Glu	Glu	Asp	Arg
	130					135						140			
Ser	Ala	Gly	Ser	Val	Glu	Ser	Pro	Ser	Val	Ser	Ser	Thr	His	Arg	Val
145					150					155					160
Ser	Asp	Pro	Lys	Phe	His	Pro	Leu	His	Ser	Lys	Ile	Ile	Ile	Ile	Lys
			165						170					175	
Lys	Gly	His	Ala	Lys	Asp	Ser	Gln	Arg	Tyr	Lys	Val	Asp	Tyr	Glu	Ser
		180					185						190		
Gln	Ser	Thr	Asp	Thr	Gln	Asn	Phe	Ser	Ser	Glu	Ser	Lys	Arg	Glu	Thr

	195		200		205
Glu	Tyr Gly Pro Cys Arg Arg	Glu Met Glu Asp Thr	Leu Asn His Leu		
210		215	220		
Lys Phe Leu Asn Val Leu Ser Pro Arg Gly Val His Ile Pro Asn Cys					
225	230	235	240		
Asp Lys Lys Gly Phe Tyr Lys Lys Lys Gln Cys Arg Pro Ser Lys Gly					
	245	250	255		
Arg Lys Arg Gly Phe Cys Trp Cys Val Asp Lys Tyr Gly Gln Pro Leu					
	260	265	270		
Pro Gly Tyr Thr Thr Lys Gly Lys Glu Asp Val His Cys Tyr Ser Met					
	275	280	285		
Gln Ser Lys					
290					

<210> 334
 <211> 582
 <212> PRT
 <213> Homo sapiens

<400> 334

Glu Ser Lys Gly Ala Ser Ser Cys Arg Leu Leu Phe Cys Leu Leu Ile	
1	5 10 15
Ser Ala Thr Val Phe Arg Pro Gly Leu Gly Trp Tyr Thr Val Asn Ser	
	20 25 30
Ala Tyr Gly Asp Thr Ile Ile Ile Pro Cys Arg Leu Asp Val Pro Gln	
	35 40 45
Asn Leu Met Phe Gly Lys Trp Lys Tyr Glu Lys Pro Asp Gly Ser Pro	
	50 55 60
Val Phe Ile Ala Phe Arg Ser Ser Thr Lys Lys Ser Val Gln Tyr Asp	
65	70 75 80
Asp Val Pro Glu Tyr Lys Asp Arg Leu Asn Leu Ser Glu Asn Tyr Thr	
	85 90 95
Leu Ser Ile Ser Asn Ala Arg Ile Ser Asp Glu Lys Arg Phe Val Cys	
	100 105 110
Met Leu Val Thr Glu Asp Asn Val Phe Glu Ala Pro Thr Ile Val Lys	
	115 120 125
Val Phe Lys Gln Pro Ser Lys Pro Glu Ile Val Ser Lys Ala Leu Phe	
	130 135 140
Leu Glu Thr Glu Gln Leu Lys Lys Leu Gly Asp Cys Ile Ser Glu Asp	
145	150 155 160
Ser Tyr Pro Asp Gly Asn Ile Thr Trp Tyr Arg Asn Gly Lys Val Leu	
	165 170 175
His Pro Leu Glu Gly Ala Val Val Ile Ile Phe Lys Lys Glu Met Asp	
	180 185 190
Pro Val Thr Gln Leu Tyr Thr Met Thr Ser Thr Leu Glu Tyr Lys Thr	
	195 200 205
Thr Lys Ala Asp Ile Gln Met Pro Phe Thr Cys Ser Val Thr Tyr Tyr	
	210 215 220
Gly Pro Ser Gly Gln Lys Thr Ile His Ser Glu Gln Ala Val Phe Asp	
225	230 235 240
Ile Tyr Tyr Pro Thr Glu Gln Val Thr Ile Gln Val Leu Pro Pro Lys	
	245 250 255
Asn Ala Ile Lys Glu Gly Asp Asn Ile Thr Leu Lys Cys Leu Gly Asn	

```
<210> 335
<211> 709
<212> PRT
<213> Homo sapiens
```

```
<400> 335
Met Ala Glu Val Glu Asp Gln Ala Ala Arg Asp Met Lys Arg Leu Glu
  1             5             10             15
Glu Lys Asp Lys Glu Arg Lys Asn Val Lys Gly Ile Arg Asp Asp Ile
      20             25             30
Glu Glu Glu Asp Asp Gln Glu Ala Tyr Phe Arg Tyr Met Ala Glu Asn
```

		35				40					45					
Pro	Thr	Ala	Gly	Val	Val	Gln	Glu	Glu	Glu	Glu	Asp	Asn	Leu	Glu	Tyr	
	50					55					60					
Asp	Ser	Asp	Gly	Asn	Pro	Ile	Ala	Pro	Thr	Lys	Lys	Ile	Ile	Asp	Pro	
65					70					75					80	
Leu	Pro	Pro	Ile	Asp	His	Ser	Glu	Ile	Asp	Tyr	Pro	Pro	Phe	Glu	Lys	
				85					90					95		
Asn	Phe	Tyr	Asn	Glu	His	Glu	Glu	Ile	Thr	Asn	Leu	Thr	Pro	Gln	Gln	
			100					105					110			
Leu	Ile	Asp	Leu	Arg	His	Lys	Leu	Asn	Leu	Arg	Val	Ser	Gly	Ala	Ala	
		115					120					125				
Pro	Pro	Arg	Pro	Gly	Ser	Ser	Phe	Ala	His	Phe	Gly	Phe	Asp	Glu	Gln	
	130					135					140					
Leu	Met	His	Gln	Ile	Arg	Lys	Ser	Glu	Tyr	Thr	Gln	Pro	Thr	Pro	Ile	
145					150					155					160	
Gln	Cys	Gln	Gly	Val	Pro	Val	Ala	Leu	Ser	Gly	Arg	Asp	Met	Ile	Gly	
				165					170					175		
Ile	Ala	Lys	Thr	Gly	Ser	Gly	Lys	Thr	Ala	Ala	Phe	Ile	Trp	Pro	Met	
			180					185					190			
Leu	Ile	His	Ile	Met	Asp	Gln	Lys	Glu	Leu	Glu	Pro	Gly	Asp	Gly	Pro	
		195					200					205				
Ile	Ala	Val	Ile	Val	Cys	Pro	Thr	Arg	Glu	Leu	Cys	Gln	Gln	Ile	His	
		210				215					220					
Ala	Glu	Cys	Lys	Arg	Phe	Gly	Lys	Ala	Tyr	Asn	Leu	Arg	Ser	Val	Ala	
225					230					235					240	
Val	Tyr	Gly	Gly	Gly	Ser	Met	Trp	Glu	Gln	Ala	Lys	Ala	Leu	Gln	Glu	
				245					250					255		
Gly	Ala	Glu	Ile	Val	Val	Cys	Thr	Pro	Gly	Arg	Leu	Ile	Asp	His	Val	
			260					265					270			
Lys	Lys	Lys	Ala	Thr	Asn	Leu	Gln	Arg	Val	Ser	Tyr	Leu	Val	Phe	Asp	
		275					280					285				
Glu	Ala	Asp	Arg	Met	Phe	Asp	Met	Gly	Phe	Glu	Tyr	Gln	Val	Arg	Ser	
	290					295					300					
Ile	Ala	Ser	His	Val	Arg	Pro	Asp	Arg	Gln	Thr	Leu	Leu	Phe	Ser	Ala	
305					310					315					320	
Thr	Phe	Arg	Lys	Lys	Ile	Glu	Lys	Leu	Ala	Arg	Asp	Ile	Leu	Ile	Asp	
			325						330					335		
Pro	Ile	Arg	Val	Val	Gln	Gly	Asp	Ile	Gly	Glu	Ala	Asn	Glu	Asp	Val	
			340					345					350			
Thr	Gln	Ile	Val	Glu	Ile	Leu	His	Ser	Gly	Pro	Ser	Lys	Trp	Asn	Trp	
		355					360					365				
Leu	Thr	Arg	Arg	Leu	Val	Glu	Phe	Thr	Ser	Ser	Gly	Ser	Val	Leu	Leu	
	370					375					380					
Phe	Val	Thr	Lys	Lys	Ala	Asn	Ala	Glu	Glu	Leu	Ala	Asn	Asn	Leu	Lys	
385					390					395					400	
Gln	Glu	Gly	His	Asn	Leu	Gly	Leu	Leu	His	Gly	Asp	Met	Asp	Gln	Ser	
			405						410					415		
Glu	Arg	Asn	Lys	Val	Ile	Ser	Asp	Phe	Lys	Lys	Lys	Asp	Ile	Pro	Val	
			420					425					430			
Leu	Val	Ala	Thr	Asp	Val	Ala	Ala	Arg	Gly	Leu	Asp	Ile	Pro	Ser	Ile	
		435					440					445				
Lys	Thr	Val	Ile	Asn	Tyr	Asp	Val	Ala	Arg	Asp	Ile	Asp	Thr	His	Thr	
	450					455					460					
His	Arg	Ile	Gly	Arg	Thr	Gly	Arg	Ala	Gly	Glu	Lys	Gly	Val	Ala	Tyr	

465		470		475		480									
Thr	Leu	Leu	Thr	Pro	Lys	Asp	Ser	Asn	Phe	Ala	Gly	Asp	Leu	Val	Arg
				485					490						495
Asn	Leu	Glu	Gly	Ala	Asn	Gln	His	Val	Ser	Lys	Glu	Leu	Leu	Asp	Leu
			500					505						510	
Ala	Met	Gln	Asn	Ala	Trp	Phe	Arg	Lys	Ser	Arg	Phe	Lys	Gly	Gly	Lys
		515					520					525			
Gly	Lys	Lys	Leu	Asn	Ile	Gly	Gly	Gly	Gly	Leu	Gly	Tyr	Arg	Glu	Arg
	530					535					540				
Pro	Gly	Leu	Gly	Ser	Glu	Asn	Met	Asp	Arg	Gly	Asn	Asn	Asn	Val	Met
545					550					555					560
Ser	Asn	Tyr	Glu	Ala	Tyr	Lys	Pro	Ser	Thr	Gly	Ala	Met	Gly	Asp	Arg
				565					570					575	
Leu	Thr	Ala	Met	Lys	Ala	Ala	Phe	Gln	Ser	Gln	Tyr	Lys	Ser	His	Phe
			580					585						590	
Val	Ala	Ala	Ser	Leu	Ser	Asn	Gln	Lys	Ala	Gly	Ser	Ser	Ala	Ala	Gly
		595					600					605			
Ala	Ser	Gly	Trp	Thr	Ser	Ala	Gly	Ser	Leu	Asn	Ser	Val	Pro	Thr	Asn
		610					615					620			
Ser	Ala	Gln	Gln	Gly	His	Asn	Ser	Pro	Asp	Ser	Pro	Val	Thr	Ser	Ala
625					630					635					640
Ala	Lys	Gly	Ile	Pro	Gly	Phe	Gly	Asn	Thr	Gly	Asn	Ile	Ser	Gly	Ala
				645					650					655	
Pro	Val	Thr	Tyr	Pro	Ser	Ala	Gly	Ala	Gln	Gly	Val	Asn	Asn	Thr	Ala
			660					665					670		
Ser	Gly	Asn	Asn	Ser	Arg	Glu	Gly	Thr	Gly	Gly	Ser	Asn	Gly	Lys	Arg
		675					680					685			
Glu	Arg	Tyr	Thr	Glu	Asn	Arg	Gly	Ser	Ser	Pro	Ser	Gln	Ser	Arg	Arg
	690					695					700				
Asp	Trp	Gln	Ser	Ala											
705															

<210> 336
 <211> 480
 <212> PRT
 <213> Homo sapiens

<400> 336
Met Ile Arg Ala Ala Pro Pro Pro Leu Phe Leu Leu Leu Leu Leu Leu
1 5 10 15
Leu Leu Leu Val Ser Trp Ala Ser Arg Gly Glu Ala Ala Pro Asp Gln
20 25 30
Asp Glu Ile Gln Arg Leu Pro Gly Leu Ala Lys Gln Pro Ser Phe Arg
35 40 45
Gln Tyr Ser Gly Tyr Leu Lys Ser Ser Gly Ser Lys His Leu His Tyr
50 55 60
Trp Phe Val Glu Ser Gln Lys Asp Pro Glu Asn Ser Pro Val Val Leu
65 70 75 80
Trp Leu Asn Gly Gly Pro Gly Cys Ser Ser Leu Asp Gly Leu Leu Thr
85 90 95
Glu His Gly Pro Phe Leu Val Gln Pro Asp Gly Val Thr Leu Glu Tyr
100 105 110
Asn Pro Tyr Ser Trp Asn Leu Ile Ala Asn Val Leu Tyr Leu Glu Ser

<400> 337
Met Ala Ala Ala Lys Ala Glu Met Gln Leu Met Ser Pro Leu Gln Ile

1	5	10	15
Ser Asp Pro Phe Gly Ser Phe Pro His Ser Pro Thr Met Asp Asn Tyr			
20	25	30	
Pro Lys Leu Glu Glu Met Met Leu Leu Ser Asn Gly Ala Pro Gln Phe			
35	40	45	
Leu Gly Ala Ala Gly Ala Pro Glu Gly Ser Gly Ser Asn Ser Ser Ser			
50	55	60	
Ser Ser Ser Gly Gly Gly Gly Gly Gly Gly Gly Gly Ser Asn Ser Ser			
65	70	75	80
Ser Ser Ser Ser Thr Phe Asn Pro Gln Ala Asp Thr Gly Glu Gln Pro			
85	90	95	
Tyr Glu His Leu Thr Ala Glu Ser Phe Pro Asp Ile Ser Leu Asn Asn			
100	105	110	
Glu Lys Val Leu Val Glu Thr Ser Tyr Pro Ser Gln Thr Thr Arg Leu			
115	120	125	
Pro Pro Ile Thr Tyr Thr Gly Arg Phe Ser Leu Glu Pro Ala Pro Asn			
130	135	140	
Ser Gly Asn Thr Leu Trp Pro Glu Pro Leu Phe Ser Leu Val Ser Gly			
145	150	155	160
Leu Val Ser Met Thr Asn Pro Pro Ala Ser Ser Ser Ser Ala Pro Ser			
165	170	175	
Pro Ala Ala Ser Ser Ala Ser Ala Ser Gln Ser Pro Pro Leu Ser Cys			
180	185	190	
Ala Val Pro Ser Asn Asp Ser Ser Pro Ile Tyr Ser Ala Ala Pro Thr			
195	200	205	
Phe Pro Thr Pro Asn Thr Asp Ile Phe Pro Glu Pro Gln Ser Gln Ala			
210	215	220	
Phe Pro Gly Ser Ala Gly Thr Ala Leu Gln Tyr Pro Pro Pro Ala Tyr			
225	230	235	240
Pro Ala Ala Lys Gly Gly Phe Gln Val Pro Met Ile Pro Asp Tyr Leu			
245	250	255	
Phe Pro Gln Gln Gln Gly Asp Leu Gly Leu Gly Thr Pro Asp Gln Lys			
260	265	270	
Pro Phe Gln Gly Leu Glu Ser Arg Thr Gln Gln Pro Ser Leu Thr Pro			
275	280	285	
Leu Ser Thr Ile Lys Ala Phe Ala Thr Gln Ser Gly Ser Gln Asp Leu			
290	295	300	
Lys Ala Leu Asn Thr Ser Tyr Gln Ser Gln Leu Ile Lys Pro Ser Arg			
305	310	315	320
Met Arg Lys Tyr Pro Asn Arg Pro Ser Lys Thr Pro Pro His Glu Arg			
325	330	335	
Pro Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg Arg Phe Ser Arg Ser			
340	345	350	
Asp Glu Leu Thr Arg His Ile Arg Ile His Thr Gly Gln Lys Pro Phe			
355	360	365	
Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp His Leu Thr			
370	375	380	
Thr His Ile Arg Thr His Thr Gly Glu Lys Pro Phe Ala Cys Asp Ile			
385	390	395	400
Cys Gly Arg Lys Phe Ala Arg Ser Asp Glu Arg Lys Arg His Thr Lys			
405	410	415	
Ile His Leu Arg Gln Lys Asp Lys Lys Ala Asp Lys Ser Val Val Ala			
420	425	430	
Ser Ser Ala Thr Ser Ser Leu Ser Ser Tyr Pro Ser Pro Val Ala Thr			

		435					440					445					
Ser	Tyr	Pro	Ser	Pro	Val	Thr	Thr	Ser	Tyr	Pro	Ser	Pro	Ala	Thr	Thr		
	450						455					460					
Ser	Tyr	Pro	Ser	Pro	Val	Pro	Thr	Ser	Phe	Ser	Ser	Pro	Gly	Ser	Ser		
465					470					475					480		
Thr	Tyr	Pro	Ser	Pro	Val	His	Ser	Gly	Phe	Pro	Ser	Pro	Ser	Val	Ala		
				485					490					495			
Thr	Thr	Tyr	Ser	Ser	Val	Pro	Pro	Ala	Phe	Pro	Ala	Gln	Val	Ser	Ser		
			500					505					510				
Phe	Pro	Ser	Ser	Ala	Val	Thr	Asn	Ser	Phe	Ser	Ala	Ser	Thr	Gly	Leu		
		515					520					525					
Ser	Asp	Met	Thr	Ala	Thr	Phe	Ser	Pro	Arg	Thr	Ile	Glu	Ile	Cys			
	530					535					540						

<210> 338

<211> 148

<212> PRT

<213> Homo sapiens

<400> 338

Pro	Pro	Ala	Thr	Ser	Tyr	Ala	Pro	Ser	Asp	Val	Pro	Ser	Gly	Val	Ala		
1				5					10				15				
Leu	Phe	Leu	Thr	Ile	Pro	Phe	Ala	Phe	Phe	Leu	Pro	Glu	Leu	Ile	Phe		
			20				25						30				
Gly	Phe	Leu	Val	Trp	Thr	Met	Val	Ala	Ala	Thr	His	Ile	Val	Tyr	Pro		
		35				40						45					
Leu	Leu	Gln	Gly	Trp	Val	Met	Tyr	Val	Ser	Leu	Thr	Ser	Phe	Leu	Ile		
	50					55					60						
Ser	Leu	Met	Phe	Leu	Leu	Ser	Tyr	Leu	Phe	Gly	Phe	Tyr	Lys	Arg	Phe		
65				70					75						80		
Glu	Ser	Trp	Arg	Val	Leu	Asp	Ser	Leu	Tyr	His	Gly	Thr	Thr	Gly	Ile		
			85						90					95			
Leu	Tyr	Met	Ser	Ala	Ala	Val	Leu	Gln	Val	His	Ala	Thr	Ile	Val	Ser		
			100					105					110				
Glu	Lys	Leu	Leu	Asp	Pro	Arg	Ile	Tyr	Tyr	Ile	Asn	Ser	Ala	Ala	Ser		
		115					120					125					
Phe	Phe	Ala	Phe	Ile	Ala	Thr	Leu	Leu	Tyr	Ile	Leu	His	Ala	Phe	Ser		
		130				135					140						
Ile	Tyr	Tyr	His														
145																	

<210> 339

<211> 196

<212> PRT

<213> Homo sapiens

<400> 339

Met	Pro	Gly	Met	Phe	Phe	Ser	Ala	Asn	Pro	Lys	Glu	Leu	Lys	Gly	Thr		
1				5				10						15			
Thr	His	Ser	Leu	Leu	Asp	Asp	Lys	Met	Gln	Lys	Arg	Arg	Pro	Lys	Thr		
			20					25					30				
Phe	Gly	Met	Asp	Met	Lys	Ala	Tyr	Leu	Arg	Ser	Met	Ile	Pro	His	Leu		

		35					40				45						
Glu	Ser	Gly	Met	Lys	Ser	Ser	Lys	Ser	Lys	Asp	Val	Leu	Ser	Ala	Ala		
	50					55					60						
Glu	Val	Met	Gln	Trp	Ser	Gln	Ser	Leu	Glu	Lys	Leu	Leu	Ala	Asn	Gln		
65					70					75					80		
Thr	Gly	Gln	Asn	Val	Phe	Gly	Ser	Phe	Leu	Lys	Ser	Glu	Phe	Ser	Glu		
				85					90						95		
Glu	Asn	Ile	Glu	Phe	Trp	Leu	Ala	Cys	Glu	Asp	Tyr	Lys	Lys	Thr	Glu		
			100					105					110				
Ser	Asp	Leu	Leu	Pro	Cys	Lys	Ala	Glu	Glu	Ile	Tyr	Lys	Ala	Phe	Val		
	115						120						125				
His	Ser	Asp	Ala	Ala	Lys	Gln	Ile	Asn	Ile	Asp	Phe	Arg	Thr	Arg	Glu		
	130					135						140					
Ser	Thr	Ala	Lys	Lys	Ile	Lys	Ala	Pro	Thr	Pro	Thr	Cys	Phe	Asp	Glu		
145					150					155					160		
Ala	Gln	Lys	Val	Ile	Tyr	Thr	Leu	Met	Glu	Lys	Asp	Ser	Tyr	Pro	Arg		
			165						170					175			
Phe	Leu	Lys	Ser	Asp	Ile	Tyr	Leu	Asn	Leu	Leu	Asn	Asp	Leu	Gln	Ala		
			180					185					190				
Asn	Ser	Leu	Lys														
		195															

<210> 340
 <211> 316
 <212> PRT
 <213> Homo sapiens

Met	Ala	Thr	Phe	Val	Glu	Leu	Ser	Thr	Lys	Ala	Lys	Met	Pro	Ile	Val		
1				5					10					15			
Gly	Leu	Gly	Thr	Trp	Lys	Ser	Pro	Leu	Gly	Lys	Val	Lys	Glu	Ala	Val		
			20					25					30				
Lys	Val	Ala	Ile	Asp	Ala	Gly	Tyr	Arg	His	Ile	Asp	Cys	Ala	Tyr	Val		
		35				40					45						
Tyr	Gln	Asn	Glu	His	Glu	Val	Gly	Glu	Ala	Ile	Gln	Glu	Lys	Ile	Gln		
	50				55						60						
Glu	Lys	Ala	Val	Lys	Arg	Glu	Asp	Leu	Phe	Ile	Val	Ser	Lys	Leu	Trp		
65				70					75						80		
Pro	Thr	Phe	Phe	Glu	Arg	Pro	Leu	Val	Arg	Lys	Ala	Phe	Glu	Lys	Thr		
			85						90					95			
Leu	Lys	Asp	Leu	Lys	Leu	Ser	Tyr	Leu	Asp	Val	Tyr	Leu	Ile	His	Trp		
		100						105					110				
Pro	Gln	Gly	Phe	Lys	Ser	Gly	Asp	Asp	Leu	Phe	Pro	Lys	Asp	Asp	Lys		
	115					120						125					
Gly	Asn	Ala	Ile	Gly	Gly	Lys	Ala	Thr	Phe	Leu	Asp	Ala	Trp	Glu	Ala		
	130					135						140					
Met	Glu	Glu	Leu	Val	Asp	Glu	Gly	Leu	Val	Lys	Ala	Leu	Gly	Val	Ser		
145					150					155					160		
Asn	Phe	Ser	His	Phe	Gln	Ile	Glu	Lys	Leu	Leu	Asn	Lys	Pro	Gly	Leu		
			165						170					175			
Lys	Tyr	Lys	Pro	Val	Thr	Asn	Gln	Val	Glu	Cys	His	Pro	Tyr	Leu	Thr		
			180					185					190				
Gln	Glu	Lys	Leu	Ile	Gln	Tyr	Cys	His	Ser	Lys	Gly	Ile	Thr	Val	Thr		

	195		200		205
Ala	Tyr Ser Pro Leu Gly	Ser Pro Asp Arg Pro	Trp Ala Lys Pro Glu		
210		215	220		
Asp	Pro Ser Leu Leu Glu	Asp Pro Lys Ile Lys	Glu Ile Ala Ala Lys		
225		230	235		240
His	Lys Lys Thr Ala Ala	Gln Val Leu Ile Arg	Phe His Ile Gln Arg		
	245		250		255
Asn	Val Ile Val Ile Pro	Lys Ser Val Thr Pro	Ala Arg Ile Val Glu		
	260		265		270
Asn	Ile Gln Val Phe Asp	Phe Lys Leu Ser Asp	Glu Glu Met Ala Thr		
	275		280		285
Ile	Leu Ser Phe Asn Arg	Asn Trp Arg Ala Cys	Asn Val Leu Gln Ser		
	290		295		300
Ser	His Leu Glu Asp Tyr	Pro Phe Asn Ala Glu	Tyr		
305		310	315		

<210> 341
 <211> 422
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 6, 10, 13, 15, 29
 <223> n = A,T,C or G

<400> 341
 gatganattt ttncnagaga gaggaagang ctattcagtt ggatgggatt aaatgcatca 60
 caaataagag aacttagaga gaagtcggaa aagtttgcct tccaagcccc aagttaacag 120
 aatgatgaaa cttatcatca attcattgta taaaaataaa gagattttcc tgagagaact 180
 gatttcaaatt gcttctgatg ctttagataa gataaggcta atatcactga ctgatgaaaa 240
 tgctctttct ggaaatgagg aactaacagt caaaattaag tgtgataagg agaagacctg 300
 ctgcatgtca cagacaccgg tgtaggaatg accagagaag agttgggttaa aaaccttggt 360
 accatagcca aatctgggac aagcgagttt ttaaacaaaa tgactgaagc acaggaagat 420
 gg 422

<210> 342
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 109
 <223> n = A,T,C or G

<400> 342
 ctggagaagg tgtgcagggg aaaccctgct gatgtcaccg aggccagggt gtctttctac 60
 tcgggacact cttcctttgg gatgtactgc atgggtgttct tggcgctgna tgtgcaggca 120
 cgactctggt ggaagtgggc acggctgctg cgaccacacag tccagttctt cctggtggcc 180
 tttgccctct acgtgggcta caccgcgctg tctgattaca aacaccactg gagcgatgtc 240
 cttgttggcc tcctgcaggg ggcactggtg gctgccctca ctgtctgcta catctcagac 300
 ttcctcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360

agcctgtcac tgacgttgac cctgggagag gctgaccaca accactatgg ataccgcac 420
tcctcctcct gaggccggac cccgcccagg caggagcta ctgtgagtcc ag 472

<210> 343
<211> 139
<212> DNA
<213> Homo sapiens

<400> 343
gtcctgggccc ttccccttcc ctcaagccag ggctcctcct cctgtcgtgg gctcattgtg 60
accactggcc tctctacagc acggcctgtg gcctgttcaa ggcagaacca cgacccttga 120
ctcccgggtg gggagggtg 139

<210> 344
<211> 235
<212> DNA
<213> Homo sapiens

<400> 344
ctgcgggctc agcacagtag acatgactgg gatccccacc ttggacaacc tccagaaggg 60
agtccaattt gctctcaagt accagtcgct gggccagtgt gtttacgtgc attgtaaggc 120
tgggcgctcc aggagtgcc ctatgggtggc agcatacctg attcagggtgc acaaattggag 180
tccagaggag gctgtaagag ccatcgccaa gatccggtca tacatccaca tcagg 235

<210> 345
<211> 458
<212> DNA
<213> Homo sapiens

<400> 345
ctgtaagggtg ctattcagtc ctgtgaccct tattttggaa tgctcttcat tactgttgct 60
ctgtttttgtg acttcctggg aaaccgccta ctttggtgtg gtgtcacctt gagctgtgca 120
cataggacac cagttttgac ttaacctaac aggcagtttt tatctctagc tttttcaagc 180
caggatttga gcagtttctt ggccaatggc ctgagaaacc acctgtccct gtcaaggggt 240
gattttattg gttttaagtg gggaagtaat cccatgtact tatttcttaa atacctagga 300
agttcttctt ggtggctcct cttggccctc cctcttttct cccccaaccc accatcctgc 360
aaggcaagga atggcctctc cctccacaga ggcaacggct gcagaggag cactgtggct 420
gccatcccag ttcctcttca aagccaaaca gacacgcg 458

<210> 346
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 41, 42, 47, 48, 49, 161, 316, 324, 326, 327, 379, 455, 509
<223> n = A,T,C or G

<400> 346
ccagagcaca acgcctcacc atggactgga cctggaggat nntcttnnng gtggcagcag 60
ccacagggtg ccaactccaa gcccaacttg tgcagtctgg ggctgaggag aagaagcctg 120
gggcctcagt gactatttct tgtaaggctt ctggatatat ncttactaaa tatactttac 180
attgggtgcg ccaggccccc cccggacaaa gacctgaatg ggtgggatgg atcaacactg 240

```

gcattgatac cgttaaatat tcacagaagt ttcaggacag agtctccatt acctgggact 300
catccgcgac cacagnctac ctgnanntga gtagcctgga atccgaagac acggctgtgt 360
attactgtgc gagacttang gcccggttcgc tgtggtggga cttaatgacg cttttgacat 420
ctggggccaa gggacagtgg tcaccgtctc ttcanggagt gcattcgccc caaccctttt 480
ccccctctct cctgtgaaga attccccgnc ggatacgagc agcgt 525

```

<210> 347

<211> 423

<212> DNA

<213> Homo sapiens

<400> 347

```

ccagacgctg acttgtttct gagtccttaa gcaggaagga tttgaaatcc tggagcttgg 60
cagtcttgct cttcacctct aagccaatgt tgaccccttc atctataaag tccacaactc 120
tccggaagtc atcctcacgg aactgtcagag aagttaaggc tggggcccca agccgcaggc 180
cgcccgggtg gatggcactt cggctctccag gacagggtgt cttgttggca gtgatggata 240
caagctctag caccgcctca gcccgagctc catccaggcc cttggggccgc aggtccacca 300
gcaccagggtg gttgtcagta ccacctgata ccagttagta gcctcgctct agcagggcat 360
ctgccatggc ccgagcattc ttcagaacct gcagggagta ctcccggaac atgggggtgc 420
agg 423

```

<210> 348

<211> 513

<212> DNA

<213> Homo sapiens

<400> 348

```

cctctaggcc tgatgctctc agaggcaata gaagaaaagt aaaaggaagg tctcacttca 60
cagacaatga aaccctecta accctcttcc ccactacca caactccta cactgccaat 120
ctaaataaaa agaggacaat gcatgagtgt gagatacaca tacacacaca cacatacaca 180
cacacacacg cacagcttcc tttcagccaa agaactgcaa aatccttccc cggaaggagg 240
acaactggca acaccaatca aggcttggtg gtctaagggt atggctggaa tcatgtgaga 300
ctggtaaaaa tccagggaga aaatgtttca ccttcagctc attcccaagt ctctatgaag 360
cccgcacacac ttcacatag gggaactgtg gctctggggg cagcctctgc agctactcag 420
aataggtggg aggaggggct ggctttgagg ctgccttagc catgaggctc tttgcctagg 480
aatagctgga gatgggagct gcagggggct cag 513

```

<210> 349

<211> 231

<212> DNA

<213> Homo sapiens

<400> 349

```

ccttatattct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg 60
attactcggg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagagtagga ttgcgctggt atccctaggg taacttggtc c 231

```

<210> 350

<211> 341

<212> DNA

<213> Homo sapiens

<400> 350

```

ctgcccgaagg gcggttcgtaa cgggaatgcc gaagcgtggg aaaaagggag cgggtggcgga 60
agacgggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aaatgacaaa gaggcagcag gagagggccc agccctgtat gaggaccccc cagatcagaa 180
aacctcaccc agtggcaaac ctgccacacc caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc cagatatact 300
gtgccttcaa gagaccaaat gttcagagaa caaactacca g 341

```

```

<210> 351
<211> 256
<212> DNA
<213> Homo sapiens

```

```

<400> 351
ggcgttgggg acggtttagt gacgtggctc tttattcgtg agttttccat ttacctccgc 60
tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc ggccttgagc 120
gctgagcaag caaaggtggg cctcgcgagg gtgatccagg cgttctccgc cccggagaat 180
gcagtgcgca tggacgaggg tcgggataac gcctgcaacg acatgggtaa gatgctgcaa 240
ttcgtgctgc ccgtgg 256

```

```

<210> 352
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 21
<223> n = A,T,C or G

```

```

<400> 352
cctttcttgt aagtgaagaa naaggaatgc agcaaagaag agttcgacat tggagtcctt 60
agttccatca ggatcccatc cgcagccttt agcatcatgt agaagcaaac tgcacctatg 120
gctgagatag gtgcaatgac ctacaagatt ttgtgttttc tagctgtcca ggaaaagcca 180
tcttcagtct tgctgacagt caaagagcaa gtgaaaccat ttccagccta aactacataa 240
aagcagccga accaatgatt aaagacctct aaggctccat aatcatcatt aaatatgccc 300
aaactcattg tgacttttta ttttatatac aggattaaaa tcaacattaa atcatcttat 360
ttacatgg 368

```

```

<210> 353
<211> 368
<212> DNA
<213> Homo sapiens

```

```

<400> 353
ctgaggggtg gcagtaagca atgaggatgg gctataaagc tgttaactgg ctaagggcca 60
tccttgggca ggcatttcag acacatctgt agagagggca gtagcatctc cgataggcca 120
gctctgaagg aagcttaatg cttaatacag tcacactgca taaattagct tagaatgctc 180
tcttgggtaa aaaatattaa tagtgatat gcacttgaag agcaaaattc ctcaagaaaa 240
aaagtttaat agcaaggagt ttccatcagt cccggtcttt gtgaggatta ccacaacaaa 300
cacttaaaag gatacaacag gtacttatta aatgctgcct tgccttttac ctcttccttt 360
tttttttt 368

```

```

<210> 354
<211> 380

```


<212> DNA
<213> Homo sapiens

<400> 354
ccatggcttc tcacccagac agtctttctg ggcaacttgg ggaagcccct gttctgctca 60
agtctcacc catggaagag gtgggggaag ggggccttgg tttttcagga agacagggtg 120
gagagcacga gtcactacaa agcagtaaaa gtgaatggtg tctccagggg ctgggtccag 180
aacaccacgg agagccccag ccataaaggt gtgttccgcc tctggcctgc aggaatctct 240
ttgaatctct ttgattggtg gctccaagag caatgggaag tcaacagcca ggaggctgga 300
ctgggttccc tgggaccccg aggtcccaga gctgctgggc agtggttgtc ggcaaagaag 360
aaaggtccaa gagggtcagg 380

<210> 355
<211> 347
<212> DNA
<213> Homo sapiens

<400> 355
ccagtggagg ggtgggggta tcgatcccgc cgggggctgg cttgggttgc ggtgccctga 60
gcccttctct gccgccttgg gtgttgccct cactgatgga ggtaggcgtc cagccagatg 120
tcaccagact tcttcgggga cctgacgatg tccaccagcg cggtagaggaa gggcttcact 180
tcgtagctga ggccgtgctt ggcacacagc gacttgacca gcggggccac ccggctgtag 240
ttgtgtctcg gcctcctggg gaagagggtg tgctcgatct ggaagttgag gtgcccgcctg 300
aaccagttgg tgaaaagtga gggctccacg ttgcagggtg ctgccag 347

<210> 356
<211> 157
<212> DNA
<213> Homo sapiens

<400> 356
cctggagctg ctgaagactg ctattgggaa agctggctac actgataagg tggatcatcg 60
catggacgta gcggcctccg agttcttcag gtctgggaag tatgacctgg acttcaagtc 120
tcccgatgac cccagcaggt acatctcgcc tgaccag 157

<210> 357
<211> 323
<212> DNA
<213> Homo sapiens

<400> 357
ccatacaggg ctgttgccca ggccttagag gtcactcctc gtaccctgat ccagaactgt 60
ggggccagca ccatccgtct acttacctcc cttcggggca agcacacca ggagaactgt 120
gagacctggg gtgtaaatgg tgagacgggt actttggtgg acatgaagga actgggcata 180
tgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300
caaggcgggg ctctgatgc tgg 323

<210> 358
<211> 555
<212> DNA
<213> Homo sapiens

<400> 358

```

aaaagggtttc taaaacatga cggagggttga gatgaagctt cttcatggag taaaaaatgt 60
atttaaaaga aaattgagag aaaggactac agagccccga gttataacca atagaagggc 120
aatgctttta gattaaaatg aaggtgactt aaacagctta aagtttagtt taaaagttgt 180
aggtgattaa aataatttga aggcgatctt ttaaaaagag attaaaccga aggtgattaa 240
aagaccttga aatccatgac gcaggagaa ttgcgtcatt taaagcctag ttaacgcatt 300
tactaaacgc agacgaaaat ggaaagatta attgggagtg gtaggatgaa acaatttga 360
gaagatagaa gtttgaagtg gaaaactgga agacagaagt acgggaaggc gaagaaaaga 420
atagagaaga tagggaaatt agaagataaa aacatacttt tagaagaaaa aagataaatt 480
taaacctgaa aagtaggaag cagaagaaaa aagacaagct aggaaacaaa aagctaaggg 540
caaatgtac accac 555

```

<210> 359

<211> 549

<212> DNA

<213> Homo sapiens

<400> 359

```

ctgccaggct gaaaagaagc ctcagctccc acaccgccct cctcaccgcc cttcctcggc 60
agtcacttcc actggtggac caggggcccc cagccctgtg tcggccttgt ctgtctcagc 120
tcaaccacag tctgacacca gagcccactt ccctcctctc tgggtgtgagg cacagcgagg 180
gcagcatctg gaggagctct gcagcctcca cacctaccac gacctcccag ggctgggctc 240
aggaaaaacc agccactgct ttacaggaca ggggggttgaa gctgagcccc gcctcacacc 300
caccctcatg cactcaaaga ttggatttta cagctacttg caattcaaaa ttcagaagaa 360
taaaaaatgg gaacatacag aactctaaaa gatagacatc agaaattgtt aagttaagct 420
ttttcaaaaa atcagcaatt cccagcgtg gtcaagggtg gacactgcac gctctggcat 480
gatgggatgg cgaccgggca agctttcttc ctcgagatgc tcttgctgct tgagagctat 540
tgcttttgt 549

```

<210> 360

<211> 289

<212> DNA

<213> Homo sapiens

<400> 360

```

tttaaatttt actagtgtta cttaatgtat attctaaaaa gagaatgcag taactaatgc 60
cctaaatgtt tgatctctgt ttgtcattac tttttcaaaa ttattttttt ctgtaaagta 120
taatataata aacttcttgc ttaaattgaa tttctatatt agtggttaat tgcagtttat 180
taaagggatc attatcagta atttcatagc aactgttcta gtgttttgtg tttttaaaac 240
agaattagga atttgagata tctgattata tttttcatat gaatcacag 289

```

<210> 361

<211> 311

<212> DNA

<213> Homo sapiens

<400> 361

```

ctgttcagta tggcaaaggg cagacttact ccttcatcca ctctgctgcc ttgatgaggt 60
gaacacactg gaataagatg gagggcagga tacctgccaa agcctgagga atgagatgat 120
ctgaaacaat tgggcaaagg ctggacattt caaaaagctg acttccaact gcagtttatg 180
ggtatagaat ttgatgcttc cctcaagtcc tgactgctct ttctgaggca gccaggctag 240
gccaagaaat gagctgctcc agcttctcca gagcacagca gcctcccagg gcctgtcagc 300
atctgcagca g 311

```

<210> 362

<211> 496
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14
 <223> n = A,T,C or G

<400> 362
 ccagtttcta aaanaatgca catttaaaga gaagcatcta ccacggcttt aaaacaaaac 60
 aactctgaga tgaacaatat gtgttatact cagagattaa caatctcaat catacatact 120
 gattctttca gacatttaat aaccactaca tttttttgca ttaatgaagt ttgactatat 180
 gtgtaaaggg actaaatatt tttgcaacag cctgttcttt gttcattctt ttctggatag 240
 cgtgtcctct gtattgcggt agatttatac attctgttgc ctaaatatgt gtgtaaaatg 300
 agctgataaa ctggagtact acttaaaaaa aagtctgtga ttataagat gcatatgctt 360
 tctatgtgaa tataagcttg tgcacaatgt ttaaaagaaa aacaatgaat tagaagagat 420
 cccccgtccc ccagttctgac atattttcata cagaatgttt aaaagaaaaa ctctgctagt 480
 cttggcaaac atttgg 496

<210> 363
 <211> 673
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 16
 <223> n = A,T,C or G

<400> 363
 ccaagaggga gataanacaa acttctcaaa caaaaagaaa agaaaaacga atgattcatc 60
 tgctttaatc agtgtgatta atgcagcacc cattgccccg ggaaccgttt ctgctgtact 120
 atctggatac taaaatgtta cggaagtagc tctttgttct ccctcactct gcccttagtt 180
 aatagaaatt cagactcgcc aagtaaggct ttgtgcatag tgtcttcatg tcgcgtatag 240
 ttgagcgcgt tcttagcagt tggcttcatg gacagctcat tagtggtttg acttttctta 300
 cccagcggtta attgaattct tgcttttaga caacttcctt tttgtagtgg tgaaccttgc 360
 ccttttagtac agttcaagtg aatctggata attgttcatc tttgctttag cttagatacc 420
 atgtagtggt ctgtggctac aggaagctgg ttctgtctgc ttccacagtc tgcttaaaaa 480
 actgtctgac ttcgtgaata tagagaccaa gtttaccact tctgatgaag agaccaatta 540
 agattcattc ctcatctgtt ttctttccag tgggagaaga gtcccatga aataagatga 600
 aactgattcc atgcactagt acatgtaggc ttctcccttg cgcaaagctt aacaatttgt 660
 aggaaacttt ggg 673

<210> 364
 <211> 495
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13
 <223> n = A,T,C or G

<400> 364

```

ccaaatgttt gcncaagact agcagagttt ttctttttaa cattctgtat gaaatatgtc 60
agactggggg acgggggatc tcttctaatt cattgttttt cttttaaaca ttgtgcacaa 120
gcttatattc acatagaaag catatacatc ttataaatca cagacttttt tttaagtagt 180
actccagttt atcagctcat ttacacaca tatttaggca acagaatgta taaatctacc 240
gcaatacaga ggacacacta tccagaaaag aatgaacaaa gaacaggctg ttgcaaaaat 300
atttagtccc ttacacata tagtcaaact tcattaatgc aaaaaatgta gtggttatta 360
aatgtctgaa agaatacagta tgtatgattg agattgttaa tctctgagta taacacatat 420
tgttcatctc agagttgttt tgtttttaaag ccgtggtaga tgcttctctt taaatgtgca 480
tttttttagaa actgg 495

```

<210> 365

<211> 291

<212> DNA

<213> Homo sapiens

<400> 365

```

aactgacaag cccttgcgcc tgcctctcca ggatgtctac aaaattgggtg gtattgggtac 60
tgttcctgtt ggcccagagt gagactgggtg ttctcaaacc cggatatgggtg gtcacctttg 120
ctccagtcaa cgttacaacg gaagtaaaat ctgtcgaaat gcaccatgaa gctttgagtg 180
aagctcttcc tggggacaat gtgggcttca atgtcaagaa tgtgtctgtc aaggatgttc 240
gtcgtggcaa cgttgctggt gacagcaaaa atgacccacc aatggaagca g 291

```

<210> 366

<211> 277

<212> DNA

<213> Homo sapiens

<400> 366

```

ctggatgggtg cctcagaagg tgcattctgc ttctgcaggg gcttgaaaca ccaaggcact 60
ccagggatcc tggagtcaaa gcagcagccc cggttgttgc actccttggg ggtgacatgg 120
gggtagcccg cagtcacccc tgctccttggc tggcacggca cactggtttg cagacaggcc 180
cacgtactcc tcagcagagc tggaggacaa gcaaggccag gaccagcccc agcatgcaga 240
gcgctctggc agccatgacc accgtgggct ccgggac 277

```

<210> 367

<211> 311

<212> DNA

<213> Homo sapiens

<400> 367

```

ccagagctgc ggggcctcag tacacggagc tggtccggat gccacagcac agcaccatgc 60
tcaggatcat ctgaagatc atgatcacag cgaccacgat ggcagcaatg ccgatgaggt 120
acagcttccc ggagaagagg tcatcgatct tctgggtggca gtcctccttg aagaggttgc 180
tgatgatgtt gctgcccag ggacacaaat tggtcttgag cactgaggtg gtcaaagcag 240
tcagtgtgct ggagccacag cagtcaagcg tctcgtggaa ggtcttcacc acagccttgg 300
cgttgttggc g 311

```

<210> 368

<211> 384

<212> DNA

<213> Homo sapiens

<400> 368

```

ccaaaggggt ctctagctgc tgctctgctg ctctctgctca tggatgagtt tggcgatggg 60
gccggtgatg ccgcctatca aggtccagta ctcatcgaag ctgatgcgcc catcaggatt 120
ggcatccagg ttctggatga gcttatccgc agccttcggt ttccctgtgt ccgacagcat 180
gtggttcagc tctttctgga gcatctcgcg gaagctgctc ttgctgatct tgttcttgac 240
caggctgtac ctagacacat atttgtagaa gttttccacc aggacaatga ctgccttctc 300
cagctccgtg tagcaagtct gacatctccc tgcttcgcct gctggcgggg cctaaggcgg 360
gggccaagcc cagttacagc ccag                                     384

```

<210> 369

<211> 216

<212> DNA

<213> Homo sapiens

<400> 369

```

ccaagtgcc a ggtggctttc agcagcttcc tacgatcagc cgaagaaagc agaagctctg 60
gaggctgcc a tcgagaacct caatgaagcc aagaactatt ttgcaaagg t gactgcaaa 120
gagcgcatca gggacgtcgt ttacttccag gccagactct accataccct ggggaagacc 180
caggagagga accggtgtgc gatgctcttc cggcag                                     216

```

<210> 370

<211> 561

<212> DNA

<213> Homo sapiens

<400> 370

```

ctggetcctt cttttgtggt cgtttggggg atgggctggt ttgggggttta ggtgcagaga 60
atggtttggg gccactgcgt actggaccac tctgagcctt cagggcaggg ttcttgtgag 120
tcttcatgtc atcagataca tgtttcaggg catgtgtaat gctctcccc tgattaatct 180
gcgcgaacag tgctgagcgg gaagcagact catctgagcc tgaactggta gagactgggg 240
gaggaggggg gctggtgga gggggaggag gacctgatcc ggcagagggg ccagatggca 300
gtccgctcag ttcttttgcc acaggccccg ttttgcctca ggccagtcgg gtggtatgga 360
actccttaat gtaagcctgc agctctgtcc atatacttaa ataagctttg acccagtcta 420
catgcttctt atccacatct ttgtactctt tgaggactcg gtttgtataa aacatggcgg 480
catcattcat ttcttttcga taagggccag gcttgggagc catagccacc cagcccaggg 540
cctggatact ttcgctgaca g                                     561

```

<210> 371

<211> 518

<212> DNA

<213> Homo sapiens

<400> 371

```

cccacttcca tcgctctctg gtgtgaggca cagcgagggc agcatctgga ggagctctgc 60
agcctccaca cctaccacga cctcccaggg ctgggctcag gaaaaaccag ccactgcttt 120
acaggacagg ggggtgaagc tgagccccgc ctcacacca ccccatgca ctcaaagatt 180
ggattttaca gctacttgca attcaaaatt cagaagaata aaaaatggga acatacagaa 240
ctctaaaaga tagacatcag aaattgttaa gttaagcttt ttcaaaaaat cagcaattcc 300
ccagcgtagt caagggtgga cactgcacgc tctggcatga tgggatggcg accgggcaag 360
ctttcttctt cgagatgctc tgctgcttga gagctattgc tttgttaaga tataaaaagg 420
ggtttctttt tgtctttctg taagggtggac ttccagcttt tgattgaaag tcctaggggtg 480
attctatttc tgctgtgatt tatctgctga aagctcag                                     518

```

<210> 372

<211> 335

<212> DNA
<213> Homo sapiens

<400> 372
ctggaggctg ggtgcaccct gccagatcc acacctgtac cccggcggaa aggctcatgg 60
gcattgaaga cgggtggtgaa aaagccaaag ggaaaagcac caacaccaaa tgagaagtgg 120
aagcccccg taccacaaa tggctggaat cccctctgc tctccggagc tggctctctgg 180
ccctgggggc ggggtggagt ttttaatctg ggatcctggg gcttctggct ccctcgccca 240
taaagcggga caaccttctc tctgctgac ccagctttac atactggaca ctcttgccgt 300
tctggccgtg tctccagcca ctgatgaaga catgg 335

<210> 373
<211> 467
<212> DNA
<213> Homo sapiens

<400> 373
ccactagctg aatcttgaca tggaagggtt tagctaattgc caagtggaga tgcagaaaat 60
gctaagttga cttaggggct gtgcacagga actaaaaggc aggaaagtac taaatattgc 120
tgagagcatc caccacagga aggactttac cttccaggag ctccaaactg gcaccacccc 180
cagtgtcac atggctgact ttatcctccg tgttccattt ggcacagcaa gtggcagtgt 240
ctccaccacc tatgatgggt atgcagcccc tagaagtggc tttcaccacc tcatccatga 300
gagctttggt tccccgggca aaagcttccc attcaaatac cccacagga ccattccaca 360
caatctgctt agccccgagt acagcctcag catacttctt gctgctttca ggaccacagt 420
ccaagcccat ccagccagca ggtacgccag aagccacagt ggcttgg 467

<210> 374
<211> 284
<212> DNA
<213> Homo sapiens

<400> 374
tttccgtaaa agcgtgtaac aagggtgtaa atatttataa ttttttatac ctggttgtag 60
accgagggg cggcggcgcg gttttttatg gtgacacaaa tgtatatattt gctaacagca 120
attccaggct cagtattgtg accgcggagc cacaggggac cccacgcaca ttccgttgcc 180
ttaccgatg gcttgtagcg cggagagaac cgattaaaac cgtttgagaa actcctccct 240
tgtctagccc tgtgttcgct gtggacgctg tagaggcagg ttgg 284

<210> 375
<211> 307
<212> DNA
<213> Homo sapiens

<400> 375
cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat 60
ttgatgactt ccgagaagca tattattggc tccgtcataa tactccagag gatgcgaagg 120
tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaattttag 180
tggacaataa cacatggaat aatacccata tttctcgagt agggcaggca atggcgtcca 240
cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt 300
ttggagg 307

<210> 376
<211> 650
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 7, 10, 13

<223> n = A,T,C or G

<400> 376

```
ccattgnctn ctnacgtgat gtcacatct gccaggatcat cttggcaaaa gtcggagcat 60
ttctcagtca ctgcaaagta gcccttctcg ttggagcacc ggaagagacg tgtgtgtttc 120
atgtactcgg catcgatcat atagggttc tgtgccccaa tgcccacca gaagaagttc 180
tcaggctcct caccttcgtt gataacctgc ttgctgtagg aggtgtcaaa catggtgttc 240
aggatgtctt ctgccaactt ggcttcgtca gggctctgatg cccggcccac ccaggcatac 300
acgatgccct gggtgtcctc actctcaaag ggaaccttga ggatgaagca gaactcggag 360
ttgaggaggc tggagtcggt gttgatctgg atgcaccggg tgcagagggc gctgccgttg 420
gtgcggatct ggtagaggct gggctgttgg gcgccctgga ccgccttcct cttgccccgg 480
tgatgatga acttcctctt gaaatgggac aggaacttgg gggtctcctg ctgctgcgtc 540
atgcgtacca cctccagctt cccagggaag aggtctctga acttcttttg caggctgaag 600
gtgaaggatga cccaccata ttgggaggct ttcacggccc tgccagaagt 650
```

<210> 377

<211> 306

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 38

<223> n = A,T,C or G

<400> 377

```
tctagatgca tgctcgagcg gccgccagtg tgatgganat ctgcagaatt cgcccttcga 60
gcggccgccc gggcagggttc ggggtgtgcc ttcacctgcc aggccttcc ccgctagctt 120
ggggcgagca gagctgcgtc cagtggaaact aaagccgttc caggattatc aaaaactgag 180
cagcaacctt gggggacctg gatcatcacg gactccccca actggaaggt ccttctctgg 240
cctcaattcc cgtctcaagg ccacgccttc cacctacagt ggagtcttcc gcacccagcg 300
cgtcga 306
```

<210> 378

<211> 199

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6

<223> n = A,T,C or G

<400> 378

```
ccacangtgg cacttgggtg tggctcctct gttattttgtc ctcatgtgag aaagcagatc 60
atctccaaat cttgccattt gtatactttt ggtggagact tggatgtcat atcttctttg 120
ttttgggttt tcttccttag cttattttgt ggcttttaaa gaagtggatt gtattgtgag 180
atcctgtgat tectggtgg 199
```

<210> 379
 <211> 216
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9
 <223> n = A,T,C or G

<400> 379
 ccagggcang tcatcaagag gggcattgtc ttgcatgcgg cctgccgtgt ccaccagcac 60
 cacgtcaaag ccttggttac gtgcaaaagc aatggcttcc atggcaatgc cagcagcatc 120
 cttgccatag cccttttcaa acaactgcac catgggtgcgg ccaccatgct tctctggagg 180
 gtgtagggca ctcaaacgcc ggggtgtgtgt acgcag 216

<210> 380
 <211> 555
 <212> DNA
 <213> Homo sapiens

<400> 380
 ccatgggcct tcctttccac taaaaggaat tccgaacagc aaaaagaagg tcttgagata 60
 gtgaaaatgg tgatgatatc tttagaaggt gaagatgggt tggatgaaat ttattcattc 120
 agtgagagtc tgagaaaact gtgcgtcttc aagaaaattg agaggcattc cattcactgg 180
 ccctgccgac tgaccattgg ctccaatttg tctataagga ttgcagccta taaatcgatt 240
 ctacaggaga gagttaaaaa gacttggaca gttgtggatg caaaaaccct aaaaaaagaa 300
 gatatacaaa aagaaacagt ttattgctta aatgatgatg atgaaactga agtttttaaaa 360
 gaggatatta ttcaagggtt ccgctatgga agtgatatag ttcctttctc taaagtggat 420
 gaggaacaaa tgaaatataa atcggagggg aagtgcctct ctgttttggg attttgtaaa 480
 tcttctcagg gtcagagaag attcttcatg ggaaatcaag ttctaaaggc tttgccccaa 540
 gagatgatga ggcag 555

<210> 381
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 381
 ctgcaccagg tgggcctcta ggtcccatta agccatttgg tccagggcca agtccaactc 60
 cttttccatc atactgagca gcaaagttec caccgagacc aggggggcca ggaggaccag 120
 gtggaccagg agggcctgtg ggaccatctt caccatctct gcctgggggg cctggtggac 180
 cccttttctc acgtgggtcct ctatctccgg ctgggcccct tcttacagtt tcctcttgta 240
 aagattggca tgttgctagg cataagggtta ctgcaagcag caacaaagtc cgcgtatcca 300
 caaagctgag catgtctagc acttagacat gcagactcct tgtgtcgcag agcccctggg 360
 tcaccggcgg aggtatcacc tggcggggcgc gggcatgcag tcgtgg 406

<210> 382
 <211> 528
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 18, 20

<223> n = A,T,C or G

<400> 382

```
ctgagcagtt tgtgggtntn tcttcccgcgca agtttcagga agtattcaca aaagaaaaat 60
acatttttttc ccccaggggt ggggcaagga cagtggagag agtgctagga aatgagtccc 120
ctgggaaagg ggaccgggccc gtgatgttaa atatctccgg ctcccaagtg actggatttg 180
cctaggacct tcagaccaac agacttcaga ccctcagacc tgccccgggg ccaggtggag 240
aaagtgaggg ccgtacaagg aagtgaatt ctgagttggt ggggctaagc ctgaccccct 300
ctccatgctc cccgccccaa cccactctgg cctcagtaga tttttttttc agttgtgggt 360
gttgcccagg ctggagtgc gtagcgccat cttggctcac tgcacctcca ccttccgggc 420
tcaagcgatt ctccagcctc agcctcctga gtagctagga ctgcaggtgc tccaccacgc 480
ccggctaatt tttgtatttt tagtagagat ggggtttccc catgttgg 528
```

<210> 383

<211> 335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 321

<223> n = A,T,C or G

<400> 383

```
ccatnttgag tctactcctg cgtcttgtgc cctagcaccc cgagaaccgt cagtttgagc 60
cagatggaag ctgagctgaa cacattacga tggatgatgg aaacataaga ctatcaagaa 120
atccaagtgg taatgggcca agtttattca gcatccggca atggacttat cgtagttggg 180
gaaacgggtg ttccgaataa tctcctggaa gttatcagga cacctatattt aaatataggc 240
ctgaattttg taaagtaata tttaagggtg tccgtgataa tttaaataaaa tgcttaattc 300
atgtggcgaa aaaaaaaaaa naaaaaaaaa aaaaaa 335
```

<210> 384

<211> 333

<212> DNA

<213> Homo sapiens

<400> 384

```
agtccaatac ggctattggg gttgtagcag ctttcagagg aaattagtggt tctgggcttg 60
cctccagctc cccaggggca gccccagtag ctacactgtc cagacagcac aagaccaggc 120
tggtgtcacg tccatccgag cgctgcctca gggatcgata aagtttcact gcagaaagtc 180
tccactgcgg tatgctgaca tctgcctga accttcaccc tacagcatta caggctttaa 240
tcagattctg ctggaaagac acaggctgat ccacgtgacc tcttctgcct tcaactgggt 300
ggggtgatcc ttggtgcctt tgtttccaca agg 333
```

<210> 385

<211> 343

<212> DNA

<213> Homo sapiens

<400> 385

```
ctgtgacacc tcaggttgaa agggctcttc tccttgaaca cccaccgagg ggcttgagc 60
aacagccagc cgatatggac ttctagctgc accgggtcac tgagggtgga gaggtttgtc 120
tggcacctgt actctccact gtcgtcgact gtggcagcgt caatgaagta gctcgaggcc 180
```

tggcttgaga tgaggctctc attgtgaaac cactgtgtgg aattgtcctc aggggagtag 240
 gctccctggc acttcagagt cacactgtcc ttctcgagca ccctgtacca ttgaggctcc 300
 aggaacacca cagcctttgg gagatcttca gtccgcatgc caa 343

<210> 386
 <211> 244
 <212> DNA
 <213> Homo sapiens

<400> 386
 tattctttga ttcttggaac atagggtgaga gaactaatag caaccaggca actgaggacg 60
 aagtcaaaaa gtcggtaaca gaagaatgga atcagccaac ccacttgata agaaattgct 120
 ccataaacca gcattgaact gattataaac ataagaacag agacggcaaa aagaacacag 180
 gcattatcag ccattctctc agacgaatag taattaccga tgacttcata ctgaatgttg 240
 acag 244

<210> 387
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 387
 atctggagtc cagcctcagg gatgcgctac ttccattct ctgcattgaa cattcggttct 60
 gtcagcatcc gctccagctt cactgcatca gcggcaaact tgcggatccc gtcagagagc 120
 ttctccacag ccattctggc ctgcttgtgc aaccaacgga aagacttctc atccagggtg 180
 atttttttcca ggtcactggc ttggggccgc ttggctgaga gcacaggcac cagcttggcg 240
 ttgtcctgca gcagctctcc caggagcttg ggtgggatgg tgaggaagtc acagccggcc 300
 agtgctttga tctcgcccgt gttgcggaag gaggcgcca tgacaatggg tttgtagcta 360
 aacttcttgt agtagttgta gatttttagtg acactcttta ccccagggtc ttccaggggc 420
 tcataggatt tcttgctcgt gtttgccaca tgccaatcaa ggatgcgccc aacaaatggg 480
 gagatgaggg tcacacccgc ctgc 504

<210> 388
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> 14, 199, 210, 218, 231, 267, 271, 290, 330, 342, 383, 390,
 395, 399, 405, 414
 <223> n = A,T,C or G

<400> 388
 gccaaagtgc tgcntgaatt ccactccctt ggttttctgc tgcccagcgt tgctgtttgc 60
 gtggaggggtg gggggagctc agtggcaggg aatcagcggg ccgtgggggc gtggggacgg 120
 gaacatgtgc ccgaccgctc catccctctc tcctccttag gatgcataac ctaccttgct 180
 tttttttttt taaattttnt ttccagggtan agtagctntt tgtacataaa naatacttga 240
 aaaattaatt gtatgatgta tgaaaanaca nagtctccta gttttgtatn ttgttgatg 300
 actgccatga gttccaccaa aaagccactn tattttgggtc tntgtgacat tttaaatgcg 360
 tgacaaaagt gagcaaataa agngaggaan aaatntatnt atganataat atanattgta 420
 ttgaaatcta aaaaaaaaaa aaaaaaaaaa 450

<210> 389

<211> 297
 <212> DNA
 <213> Homo sapiens

<400> 389
 cctgcacttg aacatggcct tggttttaag caacttctct accctgaccc tcttcttggg 60
 acagcgtttc gggaggtttc ttggcctcac tgagagggat gtggagctgc tgtaccccgt 120
 caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
 caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtcttg ctgcctatat 240
 tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

<210> 390
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 390
 ctgggctgga gagttggtgc tggcaaaaaca gtccttcccc tggggccggt tcttaccag 60
 gtccagagaa accaacgcgg gatgtcagac ttcacaaaaa ggactttctg gttgcccctg 120
 gctggcttcc tggaggcgtt cgcctctagt ttctcaggga tggagcgaga gccagccag 180
 agaacagtaa gaggagctgc tctcctatct gcactcacc agg 223

<210> 391
 <211> 365
 <212> DNA
 <213> Homo sapiens

<400> 391
 ctgaggaaga aatgaaaaaa gaccctgtcc ctcatggccc gccactggc ctctgtgaa 60
 ctctgtcctg ttgccaaccc cagatgaagt cagccaaaaa gtgctttcca catcctctct 120
 ctggggctgc ccagcctgac cgtaggggat ccaactggcag agccaagggt gatgctggtg 180
 cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggttctagaa 240
 ctcccagcag aacagaacgg aaaaggagct gattggggat agaatgagtt ctgctaaaca 300
 gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca 360
 ggtgg 365

<210> 392
 <211> 302
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28
 <223> n = A,T,C or G

<400> 392
 ccaagagcta caatgagcag cgcatacanga cagaacgtgc aggtttttga gttccagttg 60
 actgcagagg acatgaaagc catagatggc ctagacagaa atctccacta ttttaacagt 120
 gatagttttg ctagccaccc taattatcca tattcagatg aatattaaca tggagagctt 180
 tgcctgatgt ctaccagaag ccctgtgtgt ggatgggtgac gcagaggacg tctctatgcc 240
 ggtgactgga catatcacct ctacttaaata ccgtcctggt tagcgacttc agtcaactac 300
 ag 302

<210> 393
 <211> 213
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13, 19
 <223> n = A,T,C or G

<400> 393
 ccaataatca agnacaaana ctggatttga ggatggatca gttctgaaac agtttctttc 60
 tgaacacagag aaaatgtccc ctgaagacag agcaaaatgc tttggaaaga atgaggccat 120
 acaggcagcc catgatgccg tggcacagga aggccaatgt cgggtagatg acaagggtgaa 180
 tttccatttt attctgttta acaacgtgga tgg 213

<210> 394
 <211> 334
 <212> DNA
 <213> Homo sapiens

<400> 394
 cctacccata atccagagag gcttgcccag aggaggacta cgtggggggac gtgccaccag 60
 aaccctactt gggggcgagg tgctactccg aggtcaaaac ctgctccgag gtggacgagc 120
 cgtagctccc cgaatgggct taagaagagg tgggtgttcga ggtcgtggag gtcctgggag 180
 aggggggcta gggcgtggag ctatgggtcg tggcggaatc ggtggtagag gtcgggggtat 240
 gataggtcgg ggaagagggg gctttggagg ccgaggccga ggccgtggac gagggagagg 300
 tgcccttgct cgccctgtat tgaccaagga gcag 334

<210> 395
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 395
 ccagatgagg aaaaaaatta ggaaggagat gaagttttcc aaatttcatg gtatatgctg 60
 cacttcccca accttcactc tccatgtagc ctactgggtc tactattcca caaagtggct 120
 caacctccaa atgacctctg gtttaccctt attaaaatcc caaaggactt tcag 174

<210> 396
 <211> 140
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 20
 <223> n = A,T,C or G

<400> 396
 ctgcaaagcc ttgtgtaacn ttctccagca tttggacca gtacgtgaaa gcccacaaca 60
 cgttcattgt ctttagtatt acagattatt tttgcataac atttgttgtt atctcttgac 120
 ggaatcgtcc attccaatgg 140

<210> 397
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 397
 cctcgcctgg agggcccccg ggcagcacag ggaggacgag cttgtccagc agaggggtctg 60
 gcagaggggtc ccgcagaggt ttgggcaggg ggtctgacat ccctggctcc tgctctggct 120
 ctggctgccg ggatttgcac aggcccaggt gcatacagat gccgtttgag tcagtctggt 180
 tctggaagta gtcgatgacc agggggaagt agtcgtcaag cacttggttg cactggggca 240
 tgagcagctt caaggggagg acgttgcaact cctgctccag gaacttcctc atcgtgtcct 300
 ggaaaatggc ctccttgg 318

<210> 398
 <211> 517
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5
 <223> n = A,T,C or G

<400> 398
 ccttncttcg ccattccattc atcgaccctc tccagcactt gctgcaggct tggctgacca 60
 tccaccatgg cttgaataat cccggtgagc tctgtacaga atggggtaag ctgtggatgg 120
 actacaggct ggacatacat gtgaaaggta gactcaatct ccatgggtccg gccatttagc 180
 tttaggatgg ggaactcgat gatttcctga ggatgaatct gtggcttgct gcacgtggcc 240
 tcaaagtcca gcactaaaaa gtagtgatac ctctggagag ggaaggacac cattgccgcc 300
 atggatgcgc caaagccgtg ggccgccagc tttctgggtg atatggagca gaactccgga 360
 acaccacagg gagaaaataa gtgggagccc agcacttttc ttgctcttga aagtaaatac 420
 gaagaaaatc gagctgctcc agtctgtaaa ggtgctagca ttgaacatcc agaagcatct 480
 aaaactctcc ttacttcgaa gatgcccaaga ccggcag 517

<210> 399
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 399
 ccaacctcag gcaacgggtg gagcagtttg ccagggcctt ccccatgcct ggttttgatg 60
 agcattgaag gcacctggga aatgaggccc acagactcaa agttactctc cttcccccta 120
 cctgggccag tgaaatagaa agcctttcta ttttttggtg cgggagggaa gacctctcac 180
 ttagggcaag agccaggtat agtctccctt cccagaattt gtaactgaga agatcttttc 240
 tttttccttt tttcggtaac aagacttaga aggagggccc aggcactttc tgtttgaacc 300
 cctgtcatga tcacagtgtc agagacgcg 329

<210> 400
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 400
 ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg 60

```

cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa 120
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg 180
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact 240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca 300
tcaaagcagt ggacaagaag ctgctggagc tggcaaggte accaagtctg cccagaaagc 360
tcagaagcta aatgaatatt atccctaata cctgccaccc cactcttaat cagtgggtgga 420
agaacggctc agaactgttt gtttcaattg g                                     451

```

```

<210> 401
<211> 180
<212> DNA
<213> Homo sapiens

```

```

<400> 401
ccaggaagca ggccagggga ttggcagcac tgcccagcac cacagccagg tggtaggcca 60
gacgcccgtg gggtaagcag gaaaagctct gcacggcagg cagcacgcca ttggtcagcg 120
cgttggtggc ggccaacagg cccagcaggc aggactgcg ggctgataga agctgatagg 180

```

```

<210> 402
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<400> 402
ccaggccacc tgtgcggggc tcctcgatgt ggaagggtcg ggtgaggaga ttgtagaagg 60
agccgtagca cacggccacc acagtgcacg tgaggcagat cacgtttagt ggcatgctga 120
agtcgggtgt cggcaggttc accagcagcg gctccgtgta gagccgcaca aagtagttag 180
agccatcaga gactgggaac aggctgttga agaggggact ctcttcccag tccactggct 240
tggtctgctac catgctgggc acaagggcgc tgaggacaga tgggctgaca tagaagccat 300
ggttaggatc tggcgtgtac tcggtccact tcagcagcgc ccgctcaaac tggatggaaa 360
ccttggtgac tgagttggcc ggcag                                     385

```

```

<210> 403
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13
<223> n = A,T,C or G

```

```

<400> 403
ctgtttaacc agnaaccggt ggggtcaccc cccacagaat gtacatgaaa cactagagga 60
ctgcatgttt ttccctgaga gaagcgtaag acaaacagaa gtcaaaaagt agtcactggg 120
agcgccatcc ttctaagcaa atcctccctt tcccttttgg aggatttgcc cgaactacgt 180
agccagtcag cacttagacc acctgcctcc tccccccctc ataaaccac cactcccctc 240
ctcctttccc aaaccacttg ggggtgccta agccctcact gcccgaagcc caaaatatca 300
gctaagatcc ttgtcagtat ttccacagtc atacctaata aattgggaag tggggccctc 360
aaaaaccaat tcacatctat gcacttggtt ccactggatt tggcagacag gcttttttag 420
ttaccgtaac cagatcttaa                                     440

```

```

<210> 404

```

<211> 239
 <212> DNA
 <213> Homo sapiens

<400> 404
 cctacgaaaa actcccggcc ggtgaagaga acgtcagtgc catccagcgt cgcgttctcg 60
 tctcctatatt ccacaattcg gagccccagg tcttgacagg ctttgccggac tccatcgacc 120
 tctggcctac gagcggggct ccaggggccgc gtgattaggg ccgtgtcccc ttggatcacg 180
 gccgtgtcgc caagcagcgc tcccagcggc aatgactcct caggtggcag ttctagcag 239

<210> 405
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 405
 ctggagaggg agcccttcac cggatgccca gctccgtgcc cctgcggggc ccagcacagt 60
 ttaccttctc cccccacggc ggtcccatct actctgtgag ctgttcccc ttccacagga 120
 atctcttcct gagcgtctgg actgacgggc atgtccacct gtactccatg ctgcaggccc 180
 ctcccttgac ttcgctgcag ctctccctca agtatctgtt tgctgtgcgc tgggtccccag 240
 tgcgggccctt ggtttttgca g 261

<210> 406
 <211> 641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 13
 <223> n = A,T,C or G

<400> 406
 ctgctccccg gcntggtggc agcaagtaga catcgggcct gtgcagggcc acccccttgg 60
 gccgggagat ggtctgcttc agtggcgagg gcaggtctgt gtgggtcacg gtgcacgtga 120
 acctctcccc ggaattccag tcatcctcgc agatgctggc ctcacccacg gcgctgaaag 180
 tggcattggg gtggctctcg gagatgttgg tgtgggtttt cacagcttcg ccattctggc 240
 ggggtccagga gatggtcacg ctgtcatagg tggtcaggct tgtgaccagg cagggtcaact 300
 tgggtggactt ggtgaggaag atgctggcaa aggatggggg gatggcgaag acccggtatg 360
 ctgtgtcttg atcggggaca cacatggagg acgcattctg ctggaaggte aggcccctgt 420
 gatccacgcg gcaggtgaac atgctctggc tgagccagtc gctctctttg atggtcagtg 480
 tgctggtcac cttgtaggtc gtggggccag actctttggc ctcagcctgc acctgggtccg 540
 tggtgacgcc agacccacc tgcttcccct cgcgcagcca ggacacctga atctgccggg 600
 gactgaaacc cgtggcctgg cagatgagct tggacttgcg g 641

<210> 407
 <211> 173
 <212> DNA
 <213> Homo sapiens

<400> 407
 ccaggtactg gcacaatcat gtctggatgg ggggtggtggt gtcctgtagg cagagaaaca 60
 ggaaattgtc gtagtcagta tcgagcagcg tggcctcggt cgccaccgta tagttgatct 120
 tgaacttctt tggattctca gtcttctctc caaggacctt cttctcaaca cag 173

<210> 408
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 408
 ccactgtctg cagccatggc agaaagtgtc caaagtccag caccttcaca ttcattctcat 60
 cactcttggg gttccccagg accttgagca cctcggcggt ggtagggttc tggcccaggg 120
 ccctcatcac atccccacac tggctgtaca ggatcttgcc atcac 165

<210> 409
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 409
 ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggccgcg 60
 tacttgttgt tgctttgttt ggagggtgtg gtggtctcca ctcccgctt gacggggctg 120
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacctat gagacacacc 180
 agtgtggcct tgttggcttg aagctcctca gaggaggcg ggaacagagt gaccgagggg 240
 gcagccttgg gctgaccaag gacggtcagc ttggtccctc cgccaaatac cgccggataa 300
 gcaccactgt tgtctgctga ttgacagaa 329

<210> 410
 <211> 235
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8
 <223> n = A,T,C or G

<400> 410
 ccatcagnga gaaagggtgtt tgctcagttgt ttcacaaacc agattgagga ggacaaactg 60
 ctctgccaat ttctggattt ctttatcttc agcaaacact ttcttttaag cttgactgtg 120
 tgggcactca tccaagtgat gaataatcat caagggtttg ttgcttgtct tggatttata 180
 tagagctttt tcatatgtct gagtccagat gagttgggtca ccccaacctc tggag 235

<210> 411
 <211> 294
 <212> DNA
 <213> Homo sapiens

<400> 411
 aattaaggga agatgaagat gataaaacag ttttggatct tgctgtgggt ttgtttgaaa 60
 cagcaacgct tcggtcaggg tatcttttac cagacactaa agcatatgga gatagaatag 120
 aaagaatgct tcgcctcagt ttgaacattg accctgatgc aaagggtggaa gaagagcctg 180
 aagaagaacc tgaagagaca gcagaagaca caacagaaga cacagagcaa gacgaagatg 240
 aagaaatgga tgtgggaaca gatgaagaag aagaaacagc aaaggaatct acag 294

<210> 412
 <211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 135, 138, 153, 162, 187, 206, 208, 212, 214, 219, 224, 237, 254, 271, 295, 303, 330, 336, 348, 358, 364, 367, 375, 394, 433

<223> n = A,T,C or G

<400> 412

```
cctgagaagc cagaggcagg tggagagggg gtggaaagtg agcagcgggc tgggctggag 60
ccgcacacgc tctctccca tgttaaatac cacctttaga aaaattcaca agtccccatc 120
cacaaaaaaa aaaanaanaa aaatttcagg gantaaaaat anactttgaa caaaaaggaa 180
catttgntgg cctggggggg catctnantt tntntagcnc cagngattcc ctccccnccc 240
cacccatcac atanatgtaa cacctttggt ntaaaatggg gagccgtttc caccntgccc 300
ccntccccgc cccagggcag ttgccccggn gacacntcaa gacaggancg aggtagtntt 360
tcancancac agttncacaa ggaacagaac agtntctccc gccagccct gcggcacaag 420
ggattgacac gcn 433
```

<210> 413

<211> 494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 17

<223> n = A,T,C or G

<400> 413

```
ccttatttct cttgtcnctt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctggt atccctaggg taacttggtc cgttggtcaa 240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
ctcggagggt ggggttctgct ccgaggtcgc cccaaccgaa atttttaatg caggtttggt 360
agtttaggac ctgtggggtt gttagggtact gtttgcatga ataaattaaa gctccatagg 420
gtcttctcgt cttgctgtgt tatgccccgc tcttcacggg caggtcaatt tcactgggta 480
aaagtaagag acag 494
```

<210> 414

<211> 294

<212> DNA

<213> Homo sapiens

<400> 414

```
ctgggcggat agcaccgggc atatthttgga atggatgagg tctggcacc ctagcagtc 60
agcaggact tggctcttagt tgagcaattt ggctaggagg atagtatgca gcacggttct 120
gagtctgtgg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180
ttacagggtt gggaacagct cgtacacctg ccattctctg catatactgg ttagtgaggt 240
gagcctggcg ctcttctttg cgctgagcta aagctacata caatggcctt gtgg 294
```

<210> 415

<211> 421
 <212> DNA
 <213> Homo sapiens

<400> 415
 ccttgcccct gccctcccac gaatgggttaa tatatatgta gatatatatt ttagcagtga 60
 cattcccaga gagccccaga gctctcaagc tcctttctgt caggggtggg gggttcagcct 120
 gtcctgtcac ctctgaggtg cctgctggca tcctctcccc catgcttact aatacattcc 180
 cttccccata gccatcaaaa ctggaccaac tggcctcttc ctttcccctg ggacccaaaat 240
 ttagggggcct cagtcctca ccgccatgcc ctggcctatt ctgtctctcc ttcttcccc 300
 tggcctgttc tgtctctgag ctctgtgtcc tccgttcatt ccatggctgg gagtcactga 360
 tgctgcctct gccttctgat gctggactgg ccttgcttct acaagtatgc ttctcccaca 420
 g 421

<210> 416
 <211> 342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 17
 <223> n = A,T,C or G

<400> 416
 ccactttctt tcccacnctg gaaggcggca tctatgactt cattggggag ttcattgaagg 60
 ccagcgtgga tgtggcagac ctgataggtc taaacctgt catgtcccgg aatgccggca 120
 agggagagta caagatcatg gttgctgccc tgggctgggc cactgctgag cttattatgt 180
 cccgctgcac tcccctatgg gtcggagccc ggggcattga gtttgactgg aagtacatcc 240
 agatgagcat agactccaac atcagtctgg tccattacat cgtcgcgtct gctcaggtct 300
 ggatgataac acgctatgat ctgtaccaca ccttccggcc gg 342

<210> 417
 <211> 389
 <212> DNA
 <213> Homo sapiens

<400> 417
 tattaattag gttcttaaga catttagaac accaatttgt gaggataaat tccattcgtc 60
 agagcaaaca cagatcgag gtagccctgg agctgaggaa tagctttgat ttttggtaaa 120
 atttgtgagt ccacagcttt ctgatcaatc ttgcgctgct ccgtaatctc atatttctct 180
 ttttctgtgt cgaagatctc accttcctgg tgtctgggct tccgcagctt cttcttcttg 240
 aagtaagcat cagtaagatg ttttgggatt tttacattgc tgatatcgat tttggttgaa 300
 gtggcaatga caaatttctg gtgtgttctt cgtagaggaa ctcgattgag gaccagaggt 360
 ccagtcacaa gtaataagcc actagccag 389

<210> 418
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 418
 gtgggaggga gccaggttgg gatggaggga gtttacagga agcagacagg gccaacgtcg 60
 aagccgaatt cctggtctgg ggcaccaacg tccaaggggg ccacatcgat gatgggcagg 120

cgaggaggtct tgggtgggttt gtattcaatc actgtcttgc cccaggctcc ggtgtgactc 180
 gtgcagccat cgacagtgc gctgtagggt aagcggctgt tgccctcggc gcggatctcg 240
 atctcgttgg agccctggag gagcagggcc ttcttgaggt tgccagtctg ctggtccatg 300
 taggccacgc tgtttttgca gtggtaggtg atgttctggg agg 343

<210> 419

<211> 255

<212> DNA

<213> Homo sapiens

<400> 419

cctagcaaga gaatcaccaa atttatggag agttaacagg ggtttaacag gaaggaagtg 60
 cctttagtaa gttctcaagc cagaggctgg aggcagcagc taaatcagag gacagcatcc 120
 tcagtgaag tgagccattc ggggtggcat gtcactccag gaataaacac aacttagaaa 180
 caaatgattt cgtaggatag cacagtgcac tgggtgcactg tgaacctgag gccactgtgt 240
 caaactgtgc actgg 255

<210> 420

<211> 261

<212> DNA

<213> Homo sapiens

<400> 420

cttctgatga taaccaaccc ctagctacca ctctgtattc atcaggggag gggataaac 60
 cccacatgca agaagaaccc ttgccccagc tgtcaaattg gatggggatg ctagagttat 120
 agtaaagggg aaaccctatg taagctgtta acagagttca caggggtagg gataaccct 180
 gttctccagc tcccaaattg gctcacttcc ccagcttctt catccgttca tcaatgctgg 240
 caaagtcccc ctcaactgtg g 261

<210> 421

<211> 179

<212> DNA

<213> Homo sapiens

<400> 421

ccttcctgtt gttgtttcaa atgctgcttg atttctcgta acagatctgc atctatgtaa 60
 tacctttctt cagatctgac tgctccaaaa tgattctgca tcctgatttg agacatcaat 120
 tcatttagtc ggcccttgaa ctgagtaggt gcatttagtt caccctgaat cgtatccag 179

<210> 422

<211> 424

<212> DNA

<213> Homo sapiens

<400> 422

cgagggtccaa atctgatctg cagatgcaga agattcgaca gaagctgcag actaaacagg 60
 ctgccatgga gaggtctgga aaagctaagc aactgagcagc acttaggaaa tacgggaaga 120
 aggtgcaaac ggaggttctt cagaagaggc agcaggagaa agcccatatg atgaatgcta 180
 ttaagaaata tcagaaaggc ttctctgata aactggattt ccttgaggga gatcagaaac 240
 ctctggcaca gcacaagaag gcaggagcca aaggccagca gatgaggaag gggcccagtg 300
 ctaaacgacg gtataaaaac cagaagtttg gttttggtgg aaagaagaaa ggctcaaagt 360
 ggaacactcg ggagagctat gatgatgtat ctagcttccg ggccaagaca gctcatggca 420
 gagg 424

<210> 423
 <211> 256
 <212> DNA
 <213> Homo sapiens

<400> 423
 ctgtggccta gggctacctc aagactcacc tcataccttac cgcacattta aggcgccatt 60
 gcttttggga gactggaaaa gggaagggtga ctgaaggctg tcaggattct tcaaggagaa 120
 tgaatactgg gaatcaagac aagactatac cttatccata ggcgaggtg cacaggggga 180
 ggccataaag atcaaacaatg catggatggg tcctcacgca gacacacca cagaaggaca 240
 ctagcctgtg cacgcg 256

<210> 424
 <211> 330
 <212> DNA
 <213> Homo sapiens

<400> 424
 ccagccgcat gggagtggag gcagtcacg ccttgctaga ggccaccccg gacaccccag 60
 cttgcgtcgt gtcactgaac gggaaccacg ccgtgcgcct gccgctgatg gaggcgtgc 120
 agatgactca ggatgtgcag aaggcgatgg acgagaggag atttcaagat gcggttcgac 180
 tccgagggag gagctttgag ggcaacctga acacctaca gcgacttgcc atcaagctgc 240
 cggatgatca gatcccaaag accaattgca acgtagctgt catcaacgtg ggggcacccg 300
 cggctgggat gaacgcggcc gtacgctcag 330

<210> 425
 <211> 333
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 12, 124, 133, 145, 152, 244, 249, 254, 263, 307
 <223> n = A,T,C or G

<400> 425
 ctgctccatg gnetcaaagt cagcaccacc cacacccaca atgatcactg acatgggcag 60
 gttcgaggca cgcaccacag cctcacgtgt ggcttccaca tccgtcacag caccatcagt 120
 cagnagaaac agnatgaagt attgngaggc antccctga tgtgcagcct gggctgcaaa 180
 cctggacctg cccggggcggc cgctcgaaag ggcaaatcc agcacactgg cggccgttac 240
 tagnggatnc agancctcgt acnaagcttg gcagtaatca tggtcatagc tgtttcctgt 300
 gagcggntgg gatgaacgcg gccgtacgct cat 333

<210> 426
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 346
 <223> n = A,T,C or G

<400> 426

```

gggtgttcat catgaggatt gcttctgcca tggagctgat ggacgtgggc aggttgctga 60
gaaggtgggg tggaaagtga tgccgggggt gggtagagtgc cctgggtcttg ttcataagggg 120
agcctttccc tagcagtgga acgctgtggt cattttctct agcatattcc cttgggaagt 180
ctagatttgc tattaatctg gctgagaatc taagttctgt gccttagaga cagtttgac 240
tttcccatat tgtgcctggg acagccatat gatttttttt cccaccaaac aagtatgcaa 300
acagaaacca gttcaaaggg ggatgggtga aaagatgagg cagtanaaat gcctttgaat 360
ggttttctgt agctaattct ctttaaattt tgtcctgctt tttttcttta t 411

```

<210> 427

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 136

<223> n = A,T,C or G

<400> 427

```

acgtgtacaa gtttgaactg gatacctctg aaagaaagat tgaatttgac tctgcctctg 60
gcacctacac tctctactta atcattggag atgccacttt gaagaaccca atcctctgga 120
atgtggctga tgtggnctac aagttccctg aggaagaagc tccctcgact gtcttgctcc 180
agaacctttt cactccaaaa caggaaattc agcacctgtt ccgcgagcct gagaagaggc 240
ccccaccgt ggtgtccaat acattcactg ccctgatcct ctgcgcgttg cttctgctct 300
tcgctctgtg gatccggatt ggtgccaatg tctccaactt cacttttgct cctagcacga 360
ttatatattca cctgggacat gctgctatgc tgggactcat gtatgtctac tggactcagc 420
tcaacatggt ccagaccttg aagtacctgg 450

```

<210> 428

<211> 377

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 133, 181, 246, 264, 280, 290, 300, 325, 360, 362, 374

<223> n = A,T,C or G

<400> 428

```

cagggctata gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatggtg 60
acttcttggg agtgggggac caccaggttg cctaaggagg ggtgaacctg cctacgttgg 120
aaatagagct ggncaaaact cctgtgctca tcagtagtag aattgcacct gtgaatagcc 180
nccgccctcc agcatgggca acataacaag accctgcctc ttaaagataa aaattggaaa 240
acactngtag gaaaaaaagg gtgnttggtc taaataaatn tggattgggn ataaatgacn 300
caaaactatc atgaatttga aagcntttct aatttcttga aagtctgaaa aaagttaaan 360
cncaatttta tctnaaa 377

```

<210> 429

<211> 206

<212> DNA

<213> Homo sapiens

<400> 429

```

gttgctcctc caaagaaggt tggttcaag gccgtgtcca gggacccacg agcagaggca 60

```

ctgggggggca agggatctcc aaggggggcaa gggatcccta aaggggggtag ctcacaggtg 120
 aggggggttta gggccctctt agggagcgcc tgaggccata cattcaagag tgtccctggt 180
 gaggcccagg gaagagccag gactgg 206

<210> 430
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 9, 329, 335, 363, 365, 448
 <223> n = A,T,C or G

<400> 430
 ccttatttnt cttgtccttt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
 attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
 atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
 atatggactc tagaatagga ttgctgtgtt atccctaggg taacttggtc cgttggtcaa 240
 gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300
 ctcgagggtt gggttctgct ccgaggtcnc cccanccgaa atttttaatg caggtttggt 360
 agtnaggac ctgtgggttt gttaggtagt ggggtgcatta ataaattaaa gctccatagg 420
 gtcttctcgt cttgctgtgt tatgcccnc tcttcacggg caggtcaatt tca 473

<210> 431
 <211> 215
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8, 15
 <223> n = A,T,C or G

<400> 431
 cctgtatnaa gctanaaaaa gactaccagc ccgggatcac cttcatcgtg gtgcagaaga 60
 ggcaccacac ccggctcttc tgcactgaca agaacgagcg gggtgggaaa agtggaacaa 120
 ttccagcagg cagcactgtg gacacgaaaa tcacccaccc caccgagttc gacttctacc 180
 tgtgtagtca cgctggcatc caggggacaa gcagg 215

<210> 432
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 377
 <223> n = A,T,C or G

<400> 432
 ccagcactgc cacaaacttt ttcagggcca ccaggcgtg cccttccagg accgggaacc 60
 tgcccacttc tatccgcagg atgtagtgca gtgcagattc caggtcagcc atgtagatcc 120
 tggagcgate tgccaatttc caaacagtgg gagctatctt gttagcagtg gttggtgcaa 180

ctgtggtctg ggcagcctcc ctggtgagcc cagagagtct ctgcaggtaa gcggtataga 240
 aggacctgga ttccatgagc acggggactc gggagacgga gccattccgg aacagcaggt 300
 agcaagaggg gaagtcggtg acaccaaact ttctcaccac attggcctct gtgttcagca 360
 ccctgcgcac cgccacncct ttgtgctggg a 391

<210> 433
 <211> 420
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 275, 295, 328, 374, 399, 413, 420
 <223> n = A,T,C or G

<400> 433
 ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggctgcg 60
 tacttggtgt tgctttgttt ggagggtgtg gtggtctcca ctcccgctt gacggggctg 120
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
 agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
 gcagccttgg gctgacgtag gacggttagt ttggnccctc cgccgaatgc cgcanttcta 300
 ctgtcccaca cctgacagta atagtcancc tcatcttcgg cttgggctct gctgatggtc 360
 aggggtggccc gtgntccccg agttggagcc agggaatcnc tcagggatcc canagggccn 420

<210> 434
 <211> 239
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8, 199, 236
 <223> n = A,T,C or G

<400> 434
 ccaaccanga gagaagggat cgcttggtgc ccaggggcca ccaggagctc caggcccact 60
 tgggattgct gggatcactg gaggacgggg tcttgacagga ccaccaggca tgccagggtc 120
 taggggaagc cctggccctc aggggtgtcaa gggtgaaagt gggaaaccag gagctaaccg 180
 tctcagtgga gaacgtggnc cccctggacc ccagggtctt cctgggtctgg ctggtnacg 239

<210> 435
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 78, 225, 228, 276, 328, 330, 339, 352, 378, 387, 405, 415
 <223> n = A,T,C or G

<400> 435
 ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
 tatgtatgtg gaatccanaa ctcagtgagt gcaaaccgca gtgacccagt caccctggat 120

```

gtcctctatg ggccggacac ccccatcatt tcccccccag actcgtctta cctttcggga 180
gcaaacctca acctctcctg ccactcggcc tctaaccat cccncanta ttcttggcgt 240
atcaatggga taccgcagca acacacacaa gttctnttta tcgccaaaat cacgccaaat 300
aataacggga cctatgcctg tttagggntn taacttgnt actggccgca anaattccat 360
agtcaagagc atcacagnct ctgcatntgg aacttctcct ggctntcaga cctgn 415

```

<210> 436

<211> 152

<212> DNA

<213> Homo sapiens

<400> 436

```

ccaggattga caggccatcc attcacagcc aggagatgct gggccagtcc ctccaagagg 60
tctccgtcat ggcagtgatg aaaacctaac aggggtggccc cctgtgccag ctcagggtgac 120
tggagcccga gggcctgaca ggttcccagc ag 152

```

<210> 437

<211> 174

<212> DNA

<213> Homo sapiens

<400> 437

```

ccaggacttg gcacatcatg ctctggatgg ggggtgggtgt gtcctgtaag cagagaaaca 60
ggaaattgtc gtagtcagta tcgagcagct gtggcctcgt tcgccaccgt atagttgatc 120
ttgaacttct ttggattctc agtcttctct ccaaggacct tcttctcaac acag 174

```

<210> 438

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 324, 371, 393, 412, 419

<223> n = A,T,C or G

<400> 438

```

ccacggccct ctgggccctc tcgctgggag cggagcagcg aacagaatcc atcattcacc 60
gggctctcta ctatgacttg atcagcagcc cagacatcca tggtagctat aaggagctcc 120
ttgacacggg caccgcccc cagaagaacc tcaagagtgc ctcccggatc gtctttgaga 180
agaagctgcg cataaaatcc agctttgttg cacctctgga aaagtcatat gggaccaggc 240
ccagagtcct gacgggcaac cctcgcttgg acctgcaaga gatcaacaac tgggtgcagg 300
cgcagatgaa aggggaagctc gccnggtcca caaaggaaat tcccgatgag atcagcattc 360
tccttctcgg ngtggcgcac ttcaaggggc agngggtaac aaagtttgac tncagaaang 420
acttcctcgg aggatttcta cttggatgaa gagaggaccg tgagggtccc catgatgtcg 480
gacc 485

```

<210> 439

<211> 317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 146, 268

<223> n = A,T,C or G

<400> 439

```
gggccgtctt cccctccatc gtggggcgcc ccaggcacca gggcagtgat ggtgggcatg 60
ggtcagaagg attcctatgt gggcgacgag gccagagca agagaggcat cctcaccctg 120
aagtaccca tcgagcacgg catcgncacc aactgggacg acatggagaa aatctggcac 180
cacaccttct acaatgagct gcgtgtggct cccgaggagc accccgtgct gctgaccgag 240
gccccctga accccaaggc caaccgcnag aagatgacct agatcatgtt tgagaccttc 300
agcaccccag ccatgta 317
```

<210> 440

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4

<223> n = A,T,C or G

<400> 440

```
ccanaaagac ttcccaggga agatgcttgg ctctctgctc caaggtgggc catggtatag 60
ggccctcgaa gggcttgtgg ctgggggtgat cccagggggc attgctcaaa gtgcacagga 120
ggtggcagca gggtcaggcg agttcctgtt ccagggacat caggagggag ggtagaagcc 180
tagggagtgt gcgaggctgc tgggatgagg gagctcaggg gctaccagct aaccagcctc 240
agctcaatgg tttctccatc cttgggtctg tagtcagcaa taccttgcaa cagtggggtg 300
ttgggggtctc ggagaagctg ccagaactcc ctttctcc 338
```

<210> 441

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 186, 246, 321, 330, 403, 404, 406, 416, 445, 459, 481, 484

<223> n = A,T,C or G

<400> 441

```
ccacacagan tcaccaagcc acagacttgt cttccacaag cacgttctta tcttagccac 60
gaagtgacca agccacacgt actaaagggt gaactcaaag atatgtacag ggtattaaac 120
aaataccaag gggaacagtt aacttcaata caaggtcgaa atcagcaaca agttctacaa 180
tccagngctg atatcagata caagcttcaa ggacaatttc ttttcgaagg cttattccag 240
tttcgngagg ctagcatgag gtgtgtgcat ttgccagggg caaatcttcta ttctcaatta 300
acccatgcag caaatgctac ncatggtgcn gagtccgttt agaagcattt gcggtggacg 360
atggaggggc ccgactcgtc ttactcctgc ttgctaattc acnngngctg gaaggnggac 420
agtgaggcca cggatggagc caccnatcca caccgagtnc ttgcgctctg ggggtgcgat 480
natnttgatc ttcattggtgc tgggc 505
```

<210> 442

<211> 386

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 331, 369

<223> n = A,T,C or G

<400> 442

```
cgccaggtga tacctccgcc ggtgacccag gggctctgcg acacaaggag tctgcatgtc 60
taagtgctag acatgctcag ctttgtggat acgcggaactt tggtgctgct tgcagtaacc 120
ttatgcctag caacatgcca atctttacaa gaggaaccg taagaaaggg cccagccgga 180
gatagaggac cacgtggaga aaggggtcca ccaggccccc caggcagaga tggatgaagat 240
ggtcccacag gccctcctgg tccacctggt cctcctggcc cccctggtct cgatgggaac 300
tttgctgctc agtatgatgg aaaaggagg nggacttggc cctggaccaa tgggcttaat 360
gggacctana ggcccacctg gtgcag 386
```

<210> 443

<211> 404

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 241, 306, 311, 328, 339, 362, 372, 385

<223> n = A,T,C or G

<400> 443

```
cctccctctc agagcttgcc ccagggaactc tctggccctc aggggttcaat gtattctgac 60
caaggccaag ctttcctggg gctcaggga aatcacactt tgctacccga agctgtatcc 120
cctcagatgc caggaaggcc gtgatcatct gactccaccc tcctgagaca cattctctcc 180
ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca 240
ngatgcagcc tctgtgaaca ggtgcctgga ggctgggaaa tgaccctgag agggcaggac 300
acagcnaccg ngggcttaag gtgagggngg agagcaagnt tggcccaactt tacaattcta 360
gntcagagcc ancccctaac atggnnggca tttattcatt tcgg 404
```

<210> 444

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 58, 69, 87, 195, 250, 275, 286, 302, 305, 317

<223> n = A,T,C or G

<400> 444

```
catgggctat agtgcgctat gttgatctgg tgttcatgct aagttccgca tcaatatngc 60
gacttcttng gagtggggga ccaccangtt gcctaaggag gggatgaacct gcctacgttg 120
gaaatagagc tggatcaaac tcctgtgctc atcagtagta gaattgcacc tgtgaatagc 180
caccgccctc cagcntgggc aacatagcaa gaccctgcct cttaagataa aaattggaaa 240
aactggtan gaaaaaagg ctgtttggtc taaanaagtc tggatngggg ataaatgaca 300
cnaantatc atgactnt 318
```

<210> 445

<211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 288, 354, 375, 387, 389, 400
 <223> n = A,T,C or G

<400> 445
 ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag 60
 cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat 120
 aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca cactgatatt 180
 tcgaatccat ttctgtcact agcctggctg gcaaatgttt ctttcttcct ccctcacagg 240
 ctataagagc aatgagctgg caacgcccct gagcacactg tctgctgntt aaccaatggc 300
 atgtgagagg agggacagag gcagtcttac acaagctgtg ataaaaattg catncagttc 360
 aaccagtttc ttacnttatt ctaatgngna ggaagtgtgn gaagagcaca aagtcaga 418

<210> 446
 <211> 361
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 78, 89, 148, 193, 201, 253, 259, 265, 288, 290, 292,
 298, 318, 342, 343, 346, 354
 <223> n = A,T,C or G

<400> 446
 ctgtccaatn acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc 60
 tatgagtgtg gaatccanaa cgaattaant gttgaccaca gcgacctagt catcctgaat 120
 gtccctctatg gccagacga cccacacntt tccccctcat acacctatta ccgtccaggg 180
 gtgaacctca gcntctcctg ncatgcagcc tctaaccacac ctgcacagta tccttggctg 240
 attgatggga acntccagna acacnacaca agagctcttt atctccancn tnactganaa 300
 gaacagcgcg actctatncc ttccaggggg ggggggtggg gnntgnggac cttncggggc 360
 c 361

<210> 447
 <211> 321
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7, 9, 105, 121, 192, 202, 213, 299, 301, 305
 <223> n = A,T,C or G

<400> 447
 ccagganant ggttccccaa aggggacctc acccgccccg agctctggag ccgctgacgc 60
 tcgcatccag gacatttgag atgggaatcc aaataggcta cttgnaaaag acgtgctgca 120
 ngcagccctg gagagactca tggagttcat tgtacattac tccatctacc gaggcagcgc 180
 atggcatgac tnaacggctt gnaacaaaca canaaattac caccacaaac attcaggaac 240
 caaatataat ctgctatggg cacaccacag acaatgcagg aagaggcttt ttattgctng 300

ngtgngtttt caaatcatgt t

321

<210> 448

<211> 325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 107, 222, 251, 296, 301, 325

<223> n = A,T,C or G

<400> 448

```
ccagcttcaa ctttttagta tagaagatac aggatcacaa aaaggagact acgctttgca 60
aacatagcat caaaattcaa cttttctctt tgcagtttat ccatggngtc agcatacctt 120
gcaagggaag ctacttacat caaataactt ttctatatac atttcctcat tgaccttttc 180
tcaaagaata tcttggtttt gccgaacaaa cataatatag gngtctgcca gatccattcc 240
tggtttctgt ngtgaaggaa aagcaggggg aacaaaataa tatcagggtc tcaatngtga 300
nattattatt taatcatacc ctgan 325
```

<210> 449

<211> 123

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 69, 70

<223> n = A,T,C or G

<400> 449

```
cattaatntt ggaagcgatg gtgtggatta catcagtgtt agggcatggt gtggatatta 60
ttacattann attggaagcg atggtgtgga ttacatcagt gatagggcac ggtgtggata 120
tta 123
```

<210> 450

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 241, 257, 323, 325, 328

<223> n = A,T,C or G

<400> 450

```
ctggcaatnt tgagctgccg gttatacacc aaaatgttct gttcagtacc tagctctgct 60
cttttatatt gctttaaatt tttaaagaaa ttatatgca tggatgtggt tatttgtgca 120
tattttttta caatgcccaa tctgtatgaa taatgtaaac ttcgattttt ttttaaaaaa 180
attagatttt agctggagct tttgactaat gtaaagtaaa tgccaaacta ccgacttgat 240
ngggatgttt ttgtaangtt aatttttctaa gactttttca catccaaagt gatgctttgc 300
tttgggtttt aactgtttca acntnggn 328
```

<210> 451

<211> 209
 <212> DNA
 <213> Homo sapiens

<400> 451
 ctgccttggt tcaacagaca tgcaaagatc ctaggagaca gtcccatag accttcagac 60
 attaaaaagg gagccgtaca gtttggttga agcacttcgt cttacccatt tatgcagggg 120
 ccccaggaaa cttacacaca gccagaatga ggttcccaa ggacttacat taattatggc 180
 tcttgcttcc tttcacaaat gagctgagg 209

<210> 452
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8, 290, 392, 416
 <223> n = A,T,C or G

<400> 452
 ctgtctantc ccttcaagag ctgtttatag aagcttgaga atggggtaaa aatttctgct 60
 agcaaaatca agttcttttt gaaattttat cagtaatcca gaatttagta gtccatgcct 120
 tctcactcag catttagaaa taaaaatgtg gtttcttaaa cgtatatcct ttcattgtata 180
 tttccacatt tttgtgcttg gatataagat gtatttcttg tagtgaagtt gttttgtaat 240
 ctactttgta tacattctaa ttatatatt tttctatgta ttttaaattgn atatggctgt 300
 ttaatctttg aagcattttg ggcttaagat tgccagcacc acacatcaga tgcagtcatt 360
 gttgctatca gtgtggaatc tgatagagtc tngactccgg ccacttgagg ttgtgnactc 420
 caaagctaag gacagtgatg aggaagatgg catgtgg 457

<210> 453
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 453
 ccaattgatt tgatggtaag ggaggggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactacga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tcttgta 277

<210> 454
 <211> 198
 <212> DNA
 <213> Homo sapiens

<400> 454
 gttaaaagat agtaggggga tgatgctaata aatcaggctg tgggtgggttg tgttgattca 60
 aattatgtgt tttttggaga gtcattgtcag tggtagtaata ataattgttg ggacgattag 120
 ttttagcatt ggagtagggt taggttatgt acgtagtcta ggccatatgt gttggagatt 180
 gagactagta gggctagg 198

<210> 455

<211> 608
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 43, 225, 502, 508, 569
 <223> n = A,T,C or G

<400> 455
 ctgagcaagc taaggaccag gggcaactag accctaataa tnggtacttt tgaaaatgat 60
 acaaactacc ttggttgtaa gaagtgcagg ttgaacactt taggagaaca gtcttcaaac 120
 tggcaattca aaatttccca ttatatgtga ataaaattgg aaggatgtta aatgtccatg 180
 gaaagttact cttgtaagtt aggatgcctt atactgaggc tttanaatga aagtacactt 240
 cacaaatgga atagtgaaca taaattacca gaagtcaaga taatagtcac actagtaagg 300
 taagcaaggt aaattccctt atacacaaaa attattttga tgaccttttt caataatgaa 360
 tctgaaatga agtggtttta aaagctccct aaacacaaaa cgaacataaa actgcttaat 420
 aactttagag ctcatgtaat attcttgctg aaaacagtta ctgaaattac cagcgaaatg 480
 atggaatata tttaaagcag gncactcngt ataactctga ataatttcac ttgctaactt 540
 ttaagaagta ttctctggac tataaatcnt gggcaaatag acttccactt tattattacc 600
 ccaaatta 608

<210> 456
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 358
 <223> n = A,T,C or G

<400> 456
 cctggacctg tgtaaaccct caaacactct tttttacatt aggtcgtgaa gttaaatttt 60
 ttactgtttc tgtgctacag actcttcaaa gggaaatagt taagtcaatt tcaaagaaaa 120
 tgaccagcac atttttaaaa cattagaaat gatttgactt tgactatcta ctgccaaaaa 180
 aagggttaagg aatttgtaat gagaagctaa aaactttaag gaattttaag gaactcaaaa 240
 caaaaactca ttaaatgtaa ttaaagtga ttctacaaat aaagcctctt aatacatttc 300
 tataatagtc acttaagact taaattcaaa cactagcaaa ccacaaaatc agactgtntg 360
 actgacatcc aaaagataaa tataaatcaa aatccgaccc cagcattagc caaggggtag 420
 gtgttctctt tgaggaaggc aggaattcct cttctgccac ctgtttgg 467

<210> 457
 <211> 183
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10
 <223> n = A,T,C or G

<400> 457
 ccaaattttn tacttttaaac actgaaaaca gaggaagtta ataaaaattt taacctataa 60


```

agtcccctgg ttgttagtca ttaacagcag attgtcagat aagactggta aaatgatggc 120
tgctaagcat ttgatgatcc aggcgcagga tgatcaaact gcagcagatc atgcacgtga 180
cag 183

```

```

<210> 458
<211> 445
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 324, 372, 388, 396, 431
<223> n = A,T,C or G

```

```

<400> 458
gaaaaatata aagccaaaaa ttggataaaa tagcactgaa aaaatgagga aattattggt 60
aaccaattta ttttaaaagc ccatcaattt aatttctggt ggtgcagaag ttagaaggta 120
aagcttgaga agatgagggg gtttacgtag accagaacca atttagaaga atacttgaag 180
ctagaagggg aagttgggta aaaatcacat caaaaagcta ctaaaaggac tgggtgtaatt 240
taaaaaaaac taaggcagaa ggtttttgga agagttagaa gaatttggaa ggccttaaatt 300
atagtagctt agtttgaaaa atgngaagga ctttcgtaac ggaagtaatt caagatcaag 360
agtaattacc ancttaatgt ttttggcntt ggactntgag ttaagattat tttttaaatc 420
ctgaggacta ncattaatgg gacag 445

```

```

<210> 459
<211> 426
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 10, 345, 363, 400, 401
<223> n = A,T,C or G

```

```

<400> 459
cctatgatan cttctctagc tatcatactc caatcagcaa aaaatgagaa aatgttgaga 60
aatagaagat aattcctcat ttaaggccac cttctagaat ttgtgcttaa gattctgctt 120
tcttctcatg ggccagcact tcggcaactg gcaaaaatta ggtgtacagg gatctaggta 180
atactgttta ttgagcaat aatatattgt gctaacgttc aggcaccta ttactgagaa 240
ataagggaaa atgagtgtaa agtacaacta agagtctcgg cgacaggga aaataccatc 300
agttaaatat ccatagtcct agagcattta tgtaaaactg caatntgaat cctgcaatac 360
atnttggtt tttccctcag tgataccatg tgagggaagn ngctctgtca aggcgggccg 420
gataga 426

```

```

<210> 460
<211> 348
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 147, 184, 203, 288, 294, 308, 312, 313, 316, 333, 345, 347
<223> n = A,T,C or G

```

<400> 460

```

ccaaatttta aaatggttatt ttccatatca ttataaacct tgcacaatc cacttaaaga 60
agtttggtta tatttcactg aaaattttct tccagagtag gttttttttc gtggggttggg 120
gggtaacttt actacaatta gtaagtntgg tgcagaattt catgcaaag aggagtgcag 180
cagngtgata atttaaacad atntaaacaa aaacaaaaaa aatgaatgca caaacttgct 240
gctgcttaga tcaactgcagc ttctaggacc cggttttcttt tactgatnta aaancaaaac 300
aaaaaaanta annacnttgt gcctgaaatg aancttgttt tttntna 348

```

<210> 461

<211> 378

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 370

<223> n = A,T,C or G

<400> 461

```

ccactaagac agaacggaat ctagtagaag tgcaccaatg cttcagtcct tcctactcag 60
catggtgagc agtgggtcaat ctgtgccctg tggaatgatg ggcagataat tctggcatgt 120
gtaaataata ataaataatt cacttggtgc aggcagtagt tctatgaatt aaaacctagt 180
gtgtacacag tgcctacatg tggtacagcc ccacagtagg aatctacacc aaaatattta 240
ttagaaggaa ttggtccgt actacatcac gctttccgga gggtaaaaaa taaagtccat 300
ctatagacat ttcaccacag acccagagac tgagtctggc taaaacctgc aaaatgtcta 360
taacaaaagn ggatggct 378

```

<210> 462

<211> 197

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 59, 72, 81, 99, 105, 112, 120, 137, 140, 155, 158, 163, 182, 190

<223> n = A,T,C or G

<400> 462

```

gcgagggtcca cactattaata agctgttggg taattgaagg tgatataaaa tgactgtcnt 60
catttggagt gngcagcaca nttacttcat gttgctcang ttanaacaa tntcccctgn 120
aagttctcac acagatnggn agaaatcata cctantnttg gtnaatcact atggcagccg 180
tngaagaatn taagaga 197

```

<210> 463

<211> 279

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13, 18, 26, 28, 43, 164, 175, 200, 201, 203, 219, 222, 230, 246, 262, 263, 267

<223> n = A,T,C or G

<400> 463

```
cataagtgat gangaggnaa aatcantnaa taagcctaca acntagaata cattaaaact 60
tgcacatata catgttcaca gcatgtatac aatgataatc cctacgggtt aaccaagtta 120
tggttccctt ctacagcaga cacaaaacca aggtgaacta ggtnggcaga tgtanaggga 180
ataccaaaaa aagggtaatn ngntcactga ttctgaagna tntgactgan catactgagc 240
ttctgnactt tgggaatgca tnnaggnaac aatatcttg 279
```

<210> 464

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 266, 287, 395, 444, 460, 481, 487, 493, 512, 520, 532, 549

<223> n = A,T,C or G

<400> 464

```
gatgggttga taggtgcagc aaaccaccct ggcgcatgtt taccaatgta acaaacctgc 60
acatcctgca caggtactcc aaaactaaaa gtaaaaaaat ctaaaagaaa aaagaaaaag 120
aattaaacc aaatcactt ccccatctgg acttgattta gatgaaaagc ttctggactt 180
tgagctgatg ctatagtggg ttgaaaattt tggggtcctc agaaggggat gaggatata 240
tgcattgagag agcaacatga atcatngaga gccagagtat agagagnggt gggtagactg 300
taggagagcc ctcaatgatc ccggctgtct tgtattcgcg ttgcacttac ttgtataata 360
tggcagatgg gatgtgatgt cactttcaag attangttat aaatagacta tggcttcaat 420
cagaggggtt tcttctctgt ctanctctct tttgggtagn ttcattctga gagaaagcca 480
nacctcngcc gcnacccacg ctaaggggag anttccagcn cactggcggc cngttactag 540
tggatccgng ct 552
```

<210> 465

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 124, 326, 360, 369, 388, 394, 399, 413, 415, 438, 443

<223> n = A,T,C or G

<400> 465

```
ccactcttgg tagaaacctt gaaactttca ccttgctggg ctttagcaaa gtttcctttt 60
acagttctgt ttatgagctt cagctactga taaagcactt cctgaacttc tctattatca 120
tagngaccct ctgaataacc tgagtactg gctcggcaat tcgctttata accattctta 180
ttcccaaagt tggagcacat aaacatttag atgtcttttc ctgtaaaata ttctagacat 240
ttacccaaac tctagttcaa catatactca acttgactg tatactctccc tgcttttttg 300
agacagagaa gaaattcagg aggtgnccca tctccagagt ttctctgttg gaaagcagcn 360
atcaagaanc ctttaaaaaa ttggtgtnaa gctntgccnc ctgcagaaat gcntngcccc 420
acattattct tctggggnaa agna 444
```

<210> 466

<211> 381

<212> DNA

<213> Homo sapiens

$\langle 223 \rangle$ n = A, T, C or G

cctactatgg	gtgttaattt	tttactctct	ctacaagggt	ttttcctagt	gtccaaagag	60
ctgttcctct	ttggactaac	agttaaattt	acaaggggat	ttagagggtt	ctgtgggcaa	120
atttaaagtt	gaactaagat	tctatcttgg	acaaccagct	atcaccaggc	tcggtagggt	180
tgtcgcctct	acctataaat	cttcccaacta	ttttgctaca	tagacgggtg	tgctctttta	240
gctgttctta	ggtagctcgt	ctggnttcgg	gggtcttagc	tttggtcttc	cttgcaaagt	300
tattttctagt	taattcatta	tgcannaggt	ataggggnta	gtccttgcta	tattatgctt	360
ggttataatt	tttcatcttt	c				381

<213> Homo sapiens

 $\langle 223 \rangle \quad n = A, T, C \text{ or } G$

```
cctatanatt ntggnttgta tactgggtcc tgaaaaccct cttggngctc tgtttttaag 60
gagctgaanc caangancgc caataataat acttt                                     95
```

<213> Homo sapiens

cagtgggtct	ctgatgcctt	gcctgcagca	gaaggaggga	gcagagatca	agaggaagga	60
aaaaatcata	tgtacttatt	tgaaggtaaa	gattatttcta	aagagcccag	taaggaagac	120
agaaaatcat	ttgaacaact	ggtaaacctt	cagaaaaccc	ttttggagaa	agctagtcaa	180
gagggccgat	cactccgaaa	taaaggcagt	gttctcatcc	cagg		224

<213> Homo sapiens

ctgagttcta	gttcaaaagc	tttatcctta	acttcgtcat	gtactatgta	aattctagaa	60
tagaaaaggg	aaaggtaaga	ttttggtaac	ctccaaacat	tgaagtagtt	cacagaccca	120
aagtcagtac	aaattagaat	gtccatccat	aataaaaagta	tctataaaat	tacacagaca	180
cattctacat	agtatttaac	attagagaag	acaaattaca	cagggactga	aataaaatga	240
aacatctact	ctcccgacaa	atgttgaata	tacctaata	acccaagttc	agttttat	300
tgcacattgc	tttagagata	taacttggct	gggcacagtg	gctcacacct	gtaatcccaa	360
cactttggga	gaccaaggcg	gatggatcac	ttgaggtcag	ttcgagacta	gcctgg	416

<210> 470
 <211> 376
 <212> DNA
 <213> Homo sapiens

<400> 470
 caccttttaa ctgtatcaca aagtctgttg ctgtgggttac agcctttgtt tccagtgatg 60
 ttttgtccat gctttccccc aacccttaac aatgggttact caaaagaatg aaataatgag 120
 tcattcattc gggaatatgt taaaatatcc ctctttatca ttacatttca ctgcttagaa 180
 actaggctgt aattcaaggc aacagttaag tctgagaact gttaaaaaaa tctttgattt 240
 tttttcattt ttaagaaaaa cctgcctatt taattgttca gacttgtaag aggttcttca 300
 attacatcct ttttggttaa tgtattattt ctggaacaag tagataaaat tctacgcagt 360
 aagcataata aaaatc 376

<210> 471
 <211> 357
 <212> DNA
 <213> Homo sapiens

<400> 471
 ggcttcgtat aatggtttctt ttgtcaccac tgategacga tttegtctacc cgtacaactc 60
 tgacaaggga acgaaatgct tctgtgtatt cacctagtgg tcctgtgaac agaagaacaa 120
 caactccacc ggatagtggg gtactgtttg aagggttagg catttcaaca agacctagag 180
 atgttgaaat tcctcagttt atgagacaga ttgcagtaag gaggccaact acggcagatg 240
 aaagatcttt gcggaaaatt caagaacaag atattattaa ttttagacga actctttacc 300
 gtgctgggtgc tcgagttaga aatattgaag atggtggccg ctacagggat atttcag 357

<210> 472
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 29, 213, 428, 515
 <223> n = A,T,C or G

<400> 472
 cngagatgac atttacaatc tcttgaaang cagcagatgg cactctgggtg cttcctatga 60
 agcaacatgc ttgaaatcaa gggccaacaa ttgttgtagg aaagcaaaat atacctctaa 120
 cacctacgtt taccaaaaaa gctgacatct caaactctga gttgttgaga ctcaaatttc 180
 tcatccccaa agaagcctat tacggtagtg tgntggatgc tttttgtatc tctgataggc 240
 aggcactata atgggggggaa atacttctga ataaaaacat tggctgtctt gcaactgtgc 300
 atataatgtc tattcaaggg ggcagtgtgc ctagcatgat cctgaaatgt tgagataaaa 360
 ggaagttagc attaaagcac tatttgtctt atatgaaaag agtgactcta tcttccagta 420
 aacaagantt cctgcaatga aaaagaaatt ttttccttca ttatctataa actatacaaa 480
 ataaccttcc tttttaacct aagactcaaa cattnatatt tgattttatt ctatttgata 540
 ccaattggta tgtccag 557

<210> 473
 <211> 264
 <212> DNA
 <213> Homo sapiens

<400> 473

```

cctccatcaa cagaaaggat aaagacccct tcgggtctcc tcattaattc tgaactggaa 60
aagccccaga aagtccggaa agacaaggaa ggaacacctc cacttacaaa agaagataag 120
acagttgtca gacaaagccc tcgaaggatt aagccagtta ggattattcc ttcttcaaaa 180
aggacagatg caaccattgc taagcaactc ttacagaggg caaaaaaggg ggctcaaaag 240
aaaattgaaa aagaagcagc tcag                                     264

```

<210> 474

<211> 165

<212> DNA

<213> Homo sapiens

<400> 474

```

aattcagctt ccagaggccc ttattagtcc ttgttgacag aaacatagat ttggcaactc 60
ctttacatca tacttggaaca tatcaagcat tgggtgcacga tgtactggat ttccatttaa 120
acagggttaa tttggaagaa tcttcaggag tggaaaactc tccag                                     165

```

<210> 475

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 370, 372

<223> n = A,T,C or G

<400> 475

```

aagttctctt cttgttttaa acacattcct gataacttct aaagatgacc aaaataaaaac 60
agaatatcta cagagatcat tttctgaatt ttttgtacat ccaaggataa caacataaaa 120
aaaataaaaac tggacagcat tccacatcca agtgcacaga accatttttg caagattaaa 180
taatgtaaac attgggaaca gccaaatcag cgaagaatgc caacacctca aaacacctgg 240
tggtgccgct tcattaagtg gttcaaaatc cagatctata attgagcaat attcaccgta 300
tataaaaaga aatggatatt aattttgaca aatagctgca actgagactt ctttttattt 360
ctttatatgn gnatatagtg aatttttatt attttttaaa ttttatttat tttttta 417

```

<210> 476

<211> 321

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 36, 87, 102, 158, 170, 193, 196, 263, 291

<223> n = A,T,C or G

<400> 476

```

catttaataa caaaaacaac ctgtacggaa aaccnaagg caaccacata gcatatgtaa 60
aatgtgcaaa tacactttta aatgcangtt attctatagc anttgcaaga tagaatttca 120
ctgtaattag ggaatctagc tcatacctaac ttaatagnct tttgcatgtn tagacaatgc 180
aattctacaa ggnacnactc agcgttgatg ctaaagtatg aaacacatcc tcagattatt 240
catccgaaaa tattaaaata gntcatgtt ttattattct ttaatgagtc ntgagctcat 300
ttctaaagct tcataaagca t                                     321

```


<210> 477
 <211> 546
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 546
 <223> n = A,T,C or G

<400> 477
 gctgtggtta tattgtaaat gaagcatcta acatgtgcac aacttgcaac aaaaactcct 60
 tggactttta atctgtcttt ctcagtttcc atgtgctgat tgatctgact gatcacacag 120
 gcacccttca ttcctgtagt ctcacaggaa gtgttgctga ggagactttg ggctgcacgg 180
 tacatgagtt tcttgcaatg acaaatgaac agaaaacagc attaaagtgg caattcctct 240
 tggaaagaag caaaatttat ttaaaattcg ttctatcaca cagagcaagg agtggattga 300
 aaattagtgt actctcgtgc aagcttgtag atcctactga ggcaagcaga aacttgtctg 360
 gacaaagaca tgttttaaac ggtctatcat tttgaactct ggaaaagtat aagagtttta 420
 actcccttta aaatggaata ttaatttgaa aattatgggg aaaattgcat tttgtttaca 480
 tgtggtgaac atgtttctag aaattggtat ggcgggaagg gggctgggtg agtctgaagg 540
 acctcn 546

<210> 478
 <211> 100
 <212> DNA
 <213> Homo sapiens

<400> 478
 aagaaaagtg gtaaaatcaa gtcttcttac aagagggagt gtataaacct tggttgtgat 60
 gttgactttg attttgctgg acctgcaatc catgggttcag 100

<210> 479
 <211> 508
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 3, 423, 505
 <223> n = A,T,C or G

<400> 479
 gnnttccaaa ttcttctaac tcttccaaaa gccttctgcc ttagtttttt ttaaattaca 60
 ccagtccttt tagtagcttt ttgatgtgat ttttaaccaa cttccccttc tagcttcaag 120
 tattcttcta aattggctct ggtctacgta aacaccctca tcttctcaag ctttaccttc 180
 taacttctgc accaccagaa attaaattga tgggctttta aaataaattg gttaccaata 240
 atttcctcat tttttcagtg ctattttatc caatttttgg ctttatattt ttctatcttc 300
 tatacttctc caatacttgt cttagcttgt ttttcatttt ctatctgaaa ctcttgacaa 360
 tatcttctaa tttccctatc ttctctatcc ttttcttcgc cttcccgtag ttctgcttcc 420
 agntttccac ttcaaaacttc tatcttctcc aaattgttca tcctaccact cccaataatc 480
 tttccatttt cgtgtagcac ctggncag 508

<210> 480
 <211> 81

<212> DNA
<213> Homo sapiens

<400> 480
ggtgcccttt tcctaact cacaacaaaa ctaactaata ctaacatctc agacgctcag 60
gaaatagata aggaaaatga c 81

<210> 481
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 30
<223> n = A,T,C or G

<400> 481
tcgccttcgg ccgccgggca ggtaggggn acaagacgct acttccccta tcatagaaga 60
gcttatcacc tttcatgata acgccctcat agtcattttc cttatctgct tccatagtcct 120
gtatgccctt ttcctaacac tcacaacaaa actaactaat actaacatct cagacgctca 180
gggaatagaa accgtctgaa ctatcctgcc cgccatcatc ctagtcctca tcgccctccc 240
atccctacgc atcctttaca taacagacga ggtcaacgat ccttccctta ccatcaaata 300
aattgg 306

<210> 482
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 92, 155, 262, 369, 393, 413, 430, 451, 452, 460, 463, 467,
471, 474, 486, 516, 554, 558, 562, 565, 569
<223> n = A,T,C or G

<400> 482
ggggggaaca gtcattatac attattttaga ctcatctcct cttccagtgc ccttatgatt 60
atttcctacc tttaccattg atcttaaact gngcaggcta aaaagaggaa ccagaactcc 120
cttaagcact ttttaagacta tttaaaaaat aaagntttgt tggcattgaa gagtaagctg 180
cttaagggac tgaatgaaaa gatagtaccc tttgtggctg tatgaagaga gaaactgaat 240
ttctatccaa gagaccttaa tntagcctat tagggaatta tcttcccaa aagtacaagt 300
aattttgcac tgcaggagaa ggataagtag atttgattta catcacattt tatacacacc 360
tttcaagang gagaaatctg cttcataaat agnaggaatc tatgcttaaa ctnaacattt 420
aatggtgacn tcttacaaca gccttgaaaa nnattggaan tcngacntga nggnggaaac 480
tggaanaaag aatatctttc tcttctgcat cctttnatcc tcaaacttag catggattca 540
cacgctgagg aaangttngg tnacnaccng aacattttaga ta 582

<210> 483
<211> 275
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> 251
 <223> n = A,T,C or G

<400> 483
 gcctcactaa aataacagat ttcagtatag ccaagttcat cagaaagacc caaatggaat 60
 gatttacaaa atagaacact ttaaaccagg tcagtcctat cttttttagtag ctgaaggcta 120
 tcagtcataa cacaatttcg cgtacacctc tgctcattat ggaattacac ttaaaacgaa 180
 tctcaagagg gtgaccattg ttgtttcaga taccatccct aaggagagtg gttaacagga 240
 agattgccag ngttactgat ggaaagaagc gcttg 275

<210> 484
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 484
 catatttcca caggccaatt tctttctggt tttctgctaa gctatttcag catttttagct 60
 tttcctcttt gctttgttta ctcatgattg ccagatggct acgttacctc taagcatcag 120
 atcctcacia attaatgggt aaatgtaagg gagggatttt actctcttgc attaaaaaaa 180
 agctttattg agatataatt tactgtaaca ttgactcatt taaagtatgc tagtcaatag 240
 accaaatctt gaataaactc ccattcacia ttgctacaaa ggaataaaa tagctgggaa 300
 tatagctaac aagggaagtg aagggcctct tcaaggagaa ctacaaacca ctgctcaaga 360
 aataagagag gatacaaaaca aatggaaaaa cattccatgc tcatgaatag gaagaatcaa 420
 tatcgtgaaa atgg 434

<210> 485
 <211> 291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 485
 ncaccactgc agccctacat acagttgaaa aaaaattcca ttctgttaac atttgtttta 60
 taagttttca cgcaatacac aaaaaacccc tctgcacttc ttgtaaagaa caaaaaagat 120
 acacaacagt taagcgtaaa gatcacaggc aatagcattc aaacatggat gtgggtagag 180
 aaaggagtac ctggcatgag tacctgctta gtttgactga atccttgatt tttaatttgg 240
 cttttcatgg gccgctcaca acaccaacgc tgtgtgaggt atggtagtca g 291

<210> 486
 <211> 274
 <212> DNA
 <213> Homo sapiens

<400> 486
 ctgtaatatt gtagttgctc cagaatgtca agggcagctt acggagatgt cactggagca 60
 gcacgctcag agacagtga ctagcatttg aatacacaaag tccaagtcta ctgtgttgct 120
 aggggtgcag aaccggtttc tttgtatgag agagggtcaaa gggttgggtt cctgggagaa 180
 attagttttg cattaaagta ggagtagtgc atgttttctt ctgttatccc cctgattgtt 240
 ctgtaactag ttgctctcat tttaatttca ctgg 274

<210> 487
 <211> 184
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 86, 132, 137
 <223> n = A,T,C or G

<400> 487
 tggcaccaag attctcagct cacggtacca gcctctgatt gtcggactac ctgctgcttt 60
 ccctgatatt tatacatgat attcgnaaaa tgtaaagaag ctattattca tacagacatc 120
 tagagaagga gngaagnttt taaaaaaata aaaaaaatact tatttcaagc tttagctgtg 180
 ttct 184

<210> 488
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 488
 ctgcatTTTT attgcgatct gcagatgaac tggaaaatct cattttacaa cagaactggg 60
 acagacgacc accatattca ctgaggtcta aatttgcagt ttccactaat gacattttga 120
 tttcccaaca gagatacttc tggctcttact gcacagtctt ttaagagaaa tacttccatt 180
 atgccacatt gtccttgatc cgtaagtgat gtgttaaggt gcttcaaagg aactctgacc 240
 tctgaagtac ttgagctact ttagtatgtc cagcctattg ctttttggtt tagtgtgtca 300
 ccataaatat caggggcata aaaggctatc tattcttaat tcaaggataa aacagaagaa 360
 gcttgtggta taaaacaata gttcaagatc cag 393

<210> 489
 <211> 607
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 46, 270, 440, 515, 558, 579, 580, 602
 <223> n = A,T,C or G

<400> 489
 gtgcttatgt acttaagggg aactactcta actgggtgaa gagtangatg aagcatccat 60
 gtccctacaa aggatatgaa ctcatccttt tttatggctg catagtattc catggtgtat 120
 atatgccaca ttttcttaat ccagtctatc atcgatggat atttgggttg gttccaagtc 180
 tttgctattg tgaatagtgt cgcaatgaac atacatgtgc atgtgtcttt atagcagcat 240
 gatttataat cctttgggta tatacccagn aatgggatag ctgggtcaaa tggatattct 300
 agttctagat ccttgtggaa ttgccacact gtcttccaca atgggttgaa tagtttacag 360
 tcccaccaac agtgtaaaag tggctctatt tctccacatc atctccagca cctgttggtt 420
 cctgactttt taatgattgn cattccaact ggtgtgagat ggtatatcac cgtgggtttg 480
 atttgcattt ccctgatggc cagtgatgat gaacnttttt tcatgtgggt tttggctgca 540
 taaatggcct gccttttnta cttctataaa atttttcann tcttattatt attcctgggg 600
 gnttaag 607

<210> 490
 <211> 179
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 76, 102, 131, 169
 <223> n = A,T,C or G

<400> 490
 cttctaggaa tactagtata tcgctcacac ctcatatcct ccctactatg cctagaagga 60
 ataatactat cactgntcat tatagctact ccataaccc tnaacaccca ctccctctta 120
 gccaatattg ngcctattgc catactagtc tttgccgcct gcgaagcanc ggtaggacc 179

<210> 491
 <211> 399
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 41, 156, 371
 <223> n = A,T,C or G

<400> 491
 cctctacctg taatcacatt aatTTTTtcta aagacagggg nggtgttttg aagataaatg 60
 tcattagtct atgataatag catcatagga caattagcca ttttagactt gaccatattt 120
 tctcttttta gcatatagcc atcttgatat ttagngggga gactactcca atggagcaac 180
 agtttcattt tacatgattg gatttagaaa tttacaaatt ttaaactcat aagaattcta 240
 aataatttga aaatggaaac atttgaccca cagtctagca gcataaatac atttataaaa 300
 tacttcattg ttgatcttag gtcattgatt taaaacagaa tttggtgact atgggcaggt 360
 ggagggggcc ngtgaggaag gtataaaaga gaaatcttt 399

<210> 492
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 39
 <223> n = A,T,C or G

<400> 492
 ctccacctta ctaccagaca gccttagcca aaccatttnc ccaaataaag tataggcgat 60
 agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac 120
 caagcataat atagcaagga ctaacccta taccttctgc ataataaatt aactagaaat 180
 aactttgcaa ggggagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag 240
 ctaaaagagc acaccgtct atgtagcaaa atagtgggaa gatttatagg tagaggcgac 300
 aaacctaccg agcctggtga tagctggttg tccaagatag aatcttagtt caactttaaa 360
 tttgcccaca gaacctcta aatcccccttg taaatttaac tgtagtcca aagaggaaca 420
 gctcttttga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta 480
 gg 482

<210> 493
 <211> 207
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35, 37
 <223> n = A,T,C or G

<400> 493
 cataaatatt atactagcat ttaccatctc acttngngga atgctagtat atcgctcaca 60
 cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120
 tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
 ctttgccgcc tgcgaagcag cggtagg 207

<210> 494
 <211> 283
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 38
 <223> n = A,T,C or G

<400> 494
 ccaattgatt tgatggtaag ggagggatcg ttgacctngt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tcttgtagac cta 283

<210> 495
 <211> 590
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 584
 <223> n = A,T,C or G

<400> 495
 tatgtatata attttcttag ttactagcat agagaaatta ctgatttaaa aaaacatttc 60
 aaattctagc atgttgtagg attctattgc cttttctaaa aagtacatct tgcttatccg 120
 atttctaaca aaactattta atttgaagaa gggagaatga atttggataa aaagcaaaaa 180
 tttaaaggta ctcaaattta ggcaaaccat taaagcaatc ttagtttaca gttaattggg 240
 tagaatggtc aacactttct tcagggttagt tcatggagtg gatatgcatt gatagaacaa 300
 cttagagatg cttttacagt tgagaaagct cattatatat gttatcttta agaatcagct 360
 tattttatttc atatgtttgt tctttaagaa gaccaaagag ccctgcaaata gaatgttgat 420
 ttgttttttt gtttgtttaa tatttttgta gagataagat ctcaactttgt tatgttgccc 480
 aggctgggtct caaactctca acttgaagtg atctgcccac ctcaagcctcc caaagtgggtg 540

ggattacagg catgagccac cgcacctgga cctgcccggg cggncgctcg

590

<210> 496

<211> 307

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 20, 22, 25, 34, 118, 119, 155, 167, 169, 178, 188, 201, 212, 230, 245, 259, 260, 268, 300, 307

<223> n = A,T,C or G

<400> 496

ggagattagt atagagaggn anacnttttt tcgngatatt tggtcacatg gataagtggc 60
gctggcttgc catgattgtg aggggtagga gccaggtagt tagtattagg aggggggng 120
ttaggggggc tgaggagaag gttggggaac agctnaatag gttgttngnt gatttggnta 180
aaaaacanta ggggatgat nctaataatt antgctgtgg gtggttgtgn tgattcaaata 240
tatngccttt ttcggagann catgtcangt ggtagtaaat ataattgttg ggaccattan 300
ttcttan 307

<210> 497

<211> 216

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 34, 35, 37, 124, 150, 176, 179, 183, 185, 188, 200, 203, 213

<223> n = A,T,C or G

<400> 497

cattttcctc ttggtttctt cagttaagtc aaanngncac gttcctcttt ccccatatat 60
tcatatatat ttgctcgtaa gtgtatttct tgagctgttt tcatgttggt tatttcctgt 120
ctgngaaatg gtgttttttt ttgttggtgn tgggtttttt tttttttttt aaactnggna 180
ccncaantt gaaaaaatgn ttntttttcc ctnaca 216

<210> 498

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 36, 37, 155, 227, 239, 242, 253, 279, 283, 286, 325, 330, 337, 340, 349, 356

<223> n = A,T,C or G

<400> 498

gaatttcctg gcaccttttc tcgctagaga agattnnngtg tgactggggt gcctataagc 60
catatagata caaactttta tctctaatac caagtcttag aggatatat taatagatct 120
aataaattta ttcttagact tattgtttca tgggntagtg agtctttgct actggagaca 180
atacagactt gtcagttttt ttaaaaaaaa aaaatttgcc aagctancac attaaaaana 240
tntcctaagg cnttcatttt atgaggatga ttataaacnt ttntgngata aatataacca 300

taataaactg ttaagtacaa ctgcnggccn cccttanagn gaattcctnc agttanaaat 360
 ttatTTTTTTT gccaa 375

<210> 499
 <211> 215
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 39, 40
 <223> n = A,T,C or G

<400> 499
 ccacnaaagc agaagcttaa agcatagtag taaagaggnn aaaaagaagg acgaaaataa 60
 atcagatgac aaggatggta aagaagttga cagtagtcat gaaaaggcca gaggtaatag 120
 ttcactcatg gaaaagaaat taagtagaag gttgtgcgaa aatcggagag gaagcttgtc 180
 acaaaaaaaaa aaaaaaaaaa aaaaaaaaaat gtttt 215

<210> 500
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 38, 239
 <223> n = A,T,C or G

<400> 500
 ccactacgat aagcaggtag ctgggttttg tagtgagntt gctccttaag ttacaggaac 60
 tctccttata atagacactt cattttccta gtccatccct catgaaaaat gactgaccac 120
 tgctgggcag caggagggat gatgaccaac taattcccaa accccagtct cattggtacc 180
 agccttgggg aaccacctac acttgagcca caattggttt tgaagtgcac ttacaaggnt 240
 tgtctacttt cagttcttta ctttttacat gctgacacat acatacactg cctaaataga 300
 tctctttcag aaacaatcct cagataacgc atagcaaaat ggagatggag acatgatttc 360
 tcatgcaaca gcttctctaa ttatacctta gaaatgttct cctttttatc atcaaatctg 420
 ctcaagaagg gctttttata gtagaataat atcagtggat gaaaacagct taacatttta 480
 ccatgctta 489

<210> 501
 <211> 286
 <212> DNA
 <213> Homo sapiens

<400> 501
 aaaaacactc aaacacagcc ttggagggag gagtcagttt taaaagactc ttataaaagt 60
 aatatactgc tagctctgaa gaatcggagg ctaaaatcat ctcttcaagt cccagggaa 120
 tcccaaagaa ctccaggga aggtgggatg ggccagagag ctctggaagc ttccaggtct 180
 gttgcaagcc tcacctggta cacagtaggc tcttccaggt ctgtcaggaa cccaggagcc 240
 tcccctagca cacagtaggc tcacaaaaag ggagcactgc tgctgg 286

<210> 502
 <211> 168

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 38
<223> n = A,T,C or G

<400> 502
cctatgattg tgggggcaat gaatgaagcg aacagagntt cgttcatttt ggttctcaga 60
gtttgttata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt 120
ttaatatattt tagttgggtg atgaggaata gtgtaaggag tatggggg 168

<210> 503
<211> 173
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 34, 35, 43
<223> n = A,T,C or G

<400> 503
cctttataat aaattaggca aaagggttcag tgcnnnggcta tantggacaa catgaaactc 60
cataaaaaatg actggatagg gggactgctt gagacttttc ttttgggcat tactaacaga 120
attcaaagaa attccaacca cgcttatttt tccaaattct actgaaatga gag 173

<210> 504
<211> 310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 127, 259, 273
<223> n = A,T,C or G

<400> 504
tagtattcta tttaaaaatt aagttttggg gtctgtaaaa tatacaggac aatgactttt 60
ttaaaatgta agttaatacc tcctcctcac ttgtcttaat tgaacttagg tgtttattct 120
taaaggngga ccttgatgaa aatggttgaga tgggaagtgt tattaggcaa aacttgttat 180
agatttctca tataactcct aattgaccct tagaatttta acaaccgccc ctggcccaat 240
agactgtttt ttagagtant tttaggctct cancaaaatt gaggggaaaa tacagggtgt 300
tcccattaaa 310

<210> 505
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 527

<223> n = A,T,C or G

<400> 505

```
cctcagggaa cttacaatta tggcaaaagg ggaaggggaa gcaagcacct tcttcacaag 60
gcatcaggag agagagagaa agagagtagg ggaaactacc ccttttaaac catcatatcc 120
tgtgagaact ccctcagtat tagaagagca tgaggggaaac cgcctccata atccaatcac 180
ctcccaccag gaccatccct caatacatgg gggttacaat tcaagatgag gttcgggtgg 240
ggatacagat ttaaaccata tcagaatggg taatgatatt gttgtatatt accaactata 300
atcttcttag tgttatagta caataatgta aaaaattgag taaatttggt ttctatatta 360
ttctgttttt ggaaaacatg tatatagtca gggctgtttg tctcaagaaa atatggtaaa 420
ctctgctggt ttgggtcactg gtgcctagaa tttggggatg tacattgggt ttgattcaca 480
tgcacatttc cttctagttc acagtaacta tttctaacta tttcccnata 530
```

<210> 506

<211> 352

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 50, 175, 336, 337

<223> n = A,T,C or G

<400> 506

```
cttgaacgct ttcttaattg gtggctgctt ttaggcggta ctatgggtgn taaatttttt 60
actctctcta caagggtttt tcctagtgtc caaagagctg ttcctctttg gactaacagt 120
taaatttaca aggggattta gagggttctg tgggcaaatt taaagttgaa ctaanattct 180
atcttggaca accagctatc accaggctcg gtagggtttg cgcctctacc tataaatctt 240
cccactatct tgctacatag acgggtgtgc tcttttagct gttcttaggt agctcgtctg 300
gtttcggggg tcttagcttt ggctctcctt gcaaanntat ttctagttaa tt 352
```

<210> 507

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 35, 186

<223> n = A,T,C or G

<400> 507

```
cctaactaga tcttatcaga atagggggga agggngtcgg ttcataccta ttgagtgtta 60
atgaccctgt aagatgtaat ttcttttatt tcattctggt acctagaaaa tctatcacag 120
ccttgtagta ttgattgctc aatctataaa gagctcagtt tacagcatga ctggttagtaa 180
cagggntatt ttaatgagtg actcttcaac acctcagagt ttcactaaat tccaacccat 240
cagcccagta gtctaacatt aagggtctta ggaaatgaga acttatcacc tttccttatc 300
atgaaaagggt aacctccagg taaccaaaaa tagaacttcc tctgtgttcg ttttttatag 360
aaattactgg 370
```

<210> 508

<211> 129

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37
 <223> n = A,T,C or G

<400> 508
 ctgttaaaag aacaaactta gcaatatata acagttnnggt aacaggattt ttgactattc 60
 actttgggag ttattttttaa aaatccactt ttttactgag tcttactaca taccaggcac 120
 tgtacttgg 129

<210> 509
 <211> 422
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 52, 105, 107, 166, 176, 197, 232, 239, 241, 252, 255,
 280, 365, 416
 <223> n = A,T,C or G

<400> 509
 ntgggaagtc gtgacatcca tgggaaccca gcgctgtgat gctgggtgttt gngttctccg 60
 cgagaagtga ccattgttgg agcaccatcc agagctagtg accantncag tggacagtta 120
 gtggggagaat caaaaatcct ttccagaatg tctgtttctc actacntgca ccgggngatt 180
 acaggcacca gtgcagngat gattgtactt atttgacaca tactccccgt cntcctggnt 240
 nttgttcctg anaanggtgg gtaaatattc caggaaaaan aatgcacatt gaatggatgt 300
 gagagaccac attgcctctc ccactgcttt ggggagcact ttcctgtcat ttctaactta 360
 ccacntgctt ggtgtactat atgtatgttg tgcctcatat gttgcaaaga actaangtga 420
 gt 422

<210> 510
 <211> 238
 <212> DNA
 <213> Homo sapiens

<400> 510
 ccacctatga attggtgggt tacctactca atggatagca gcacgaggac tgctgtactg 60
 cacaaaaaga agaccaaaag attacagtgg accatgggat acagaagcca gcatggcaga 120
 cagaagaaaa atagtttggg aacatgtaac taccctaagt ggaagttttg ttgtaggaat 180
 tatagtaatc acaccacatt acttggcctt tcggtaatgt gaaaaaaaaa aaaaatcc 238

<210> 511
 <211> 254
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 34, 169, 228
 <223> n = A,T,C or G

<400> 511

```
ccnattgatt tgatggtaag ggaggggatcg ttgnnggctcg tctgttatgt aaaggatgcg 60
tacggatggg agggcgatga ggactaggat gatggcgggc aggatagttc agacgggttc 120
tatttcctga gcgtctgaga tgttagtatt agttagtttt gttgtaagng ttaggaaaag 180
ggcatacagg actaggaagc acgataagga aaatgactat gagggcgnga tcatgaaagg 240
tgataagctc ttct 254
```

```
<210> 512
<211> 269
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 38, 49, 103
<223> n = A,T,C or G
```

```
<400> 512
cctacctgta aactacagta ctttatatat ctatgggntt aataaaaaana aaatccacaa 60
atcttaaaaa ggaactttaa atgcagggct atattgaatt ggnaaactgc aacacaaact 120
ggcgcaacat aggtaaata ataccaatct cactctatgt gatgcaagca tgctactttc 180
ccactaattt aaattacttt caaccactat gagccagaat gcatgcctga accttaaact 240
gcactttaaa aagtaacatc ttggcctaa 269
```

```
<210> 513
<211> 266
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 34, 79, 137, 149, 154, 157, 217, 245, 251
<223> n = A,T,C or G
```

```
<400> 513
ggaggggggt tgttaggggg tcggaggaga aggntgggga acagctaaat aggttggtgt 60
tgatttggtt aaaaaatant aggggggatga tgctaataat taggctgtgg gtggttggt 120
tgattcaaata tatgtgnttt ttggagagnc atgncantgg tagtaatata attggtgaga 180
cgattagttt tagcattgga gtaggttttag gttatgnacc gtactctagg ccatatgtgt 240
tgganattga nactagtagg gctagg 266
```

```
<210> 514
<211> 271
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 9, 32, 33, 39, 51, 52, 61, 62, 65, 75, 108, 112, 120, 123,
127, 129, 132, 141, 142, 157, 173, 179, 210, 219, 220, 224,
231, 232, 235, 240, 242, 245, 251, 259, 266
<223> n = A,T,C or G
```

```
<400> 514
acatgcaana aatcgagaat cttaaaaaac annacgaanc tgccctggaa nncttactgg 60
```



```

nntangatat ttatnttgcg gctgagatac ttgaacaact tcggatcnga antagacaan 120
aanggnant tntatactgc nncagagggt acacagntca ttgtattaga gangaacana 180
tggtctggt gttcacacat tggggggaan atgggcgtnn acangagagg nnganaaacn 240
anganagcct ncctggttng cataanaaaa a 271

```

<210> 515

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 23, 25, 32, 64, 112, 125, 149, 157, 202, 216, 245, 256, 267, 297

<223> n = A,T,C or G

<400> 515

```

ccaatgaggg gcaaagtgag cgncnagaag angttttgac tgaaataaat caaacacaaa 60
aatntaagtt cacagtgaca gtttaaacia aatccaaaca aactaacaac anaaacaccc 120
cttgntttgc ctctagtggg aggtgggana acacaanctc gtcctaaaaa ttgactagta 180
aaggggaaaa cccggtcatt tncctactct ttccangaaa tatctaattgc aagaaagaac 240
ttctnctcat tatacngaag gaatttngaa aaatgatgta tttttggaac acctaantga 300
aatactggaa cctgggcaag ttcaccac 328

```

<210> 516

<211> 220

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 5, 52, 118, 162, 168, 174, 195

<223> n = A,T,C or G

<400> 516

```

ncctnagttg aaggacccca tgtacatata ggccagggga gcagtactag gntaactaga 60
aggatctcat ccccatatgt gggctcattt caagtctatg gatgactacc ttcattgntg 120
tgtgcgagat ggtttcaccc cttgaaaata tgggcacttc ancataanat agcnaaatct 180
ttataatgat caatncatcc tacctccttt tacatgcatg 220

```

<210> 517

<211> 296

<212> DNA

<213> Homo sapiens

<400> 517

```

tgcgatttct tccttggtgt ttgctttggt ctgtgttcaa tccagagagc ttaaattgtc 60
attattttgg gaagaaaacc tgtatttttg ttagttttaca atattatgaa atttcacttc 120
aggagaaact gctgggcttc ctgtggcttt gttttcttag tttctttttc cgtgccgtgt 180
attttttaat tgatttttct tcttttactt gaaaagaaag tgttttattt tcaaattctg 240
tccatattta cattctagtt cagagccaag ccttaaactg tacagaattt ccactg 296

```

<210> 518

<211> 299

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 36
<223> n = A,T,C or G

<400> 518
gaagatagaa aaatataaag ccaaaaattg gataanatag cactgaaaaa atgaggaaat 60
tattggtaac caatttattt taaaagcccg tcaatttaat ttctggtggt gcagaagtta 120
gaaggtaaag cttgagaaga tgagggtggt tacgtagacc agaaccaatt tagaagaata 180
cttgaagcta gaaggggaag ttggttaaaa atcacatcaa aaagctacta aaaggactgg 240
tgtaatttaa aaaaaactaa ggcagaaggc ttttggaaga gttagaagaa tttggaagg 299

<210> 519
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 455
<223> n = A,T,C or G

<400> 519
gctgcacatc ggaggaaaac tcggtaaagc agaatgaggt tgatatgttg aatgtatttg 60
atthttgaaaa ggctgggaat tcagaaccaa atgaattaaa aaatgaaagt gaagtaacaa 120
ttcagcagga acgtcaacaa taccaaaagg ctttggatat gttattgtcg gcaccaagg 180
atgagaacga gatattccct tcaccaactg aatthttcat gcctatttat aaatcaaagc 240
attcagaagg gggtataatt caacagggtga atgatgaaac aaatcttgaa acttcaactt 300
tggtatgaaaa tcatccaggt atttcataca gtttaacaga tcgggaaact tctgtgaatg 360
tcattgaagg tgatagtac cctgaaaagg ttgagatttc aaatggatta tgtggtctta 420
acacatcacc ctccaatct gttcagttct ccagngtcaa aggc 464

<210> 520
<211> 221
<212> DNA
<213> Homo sapiens

<400> 520
ctgatatcta cttatttaac acaagtctct aatacaatac aatthttatta atthttattcc 60
acatgccccca cattagatct ctagactcat tcatcctaca tacctacttt gtatcctttg 120
acctacatct ccctacttcc tcctccagtc cccaccccccc acccactggg gctaaccact 180
gtttcattcc ctttttcatt ctacatatgt gagatcatgc t 221

<210> 521
<211> 312
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 37, 38, 238

<223> n = A,T,C or G

<400> 521

```
ctgatagctt tctcttcgcc tagattaata tcttctnct tcccattcac agccccacc 60
gacatcaaag ctttgctggt ttatctgtca aaaatgtctt cacacttttc attcttaaat 120
aaaagtgtg agtaaggaca ttttcacaac aaatttttat tttacaaaac ttacaatgat 180
ttgaatccaa aacaactttc attatttaac tgtaaagtaa atatataatt tattaggngt 240
gtcttagttc attttgtgct gctttaacag tgtatccttg tgatagttgt ggggtggggg 300
aggggggaag ga 312
```

<210> 522

<211> 336

<212> DNA

<213> Homo sapiens

<400> 522

```
ccttctttcc ccaactcaatt cttcctgccc tggtattaat taagatatct tcagcttgta 60
gtcagaccca atcagaatca cagaaaaatc ctgcctaagg caaagaaata taagacaaga 120
ctatgatatc aatgaatgtg gggttaagtaa tagatttcca gctaaattgg tctaaaaaag 180
aatattaagt gtggacagac ctatttcaaa ggagcttaat tgatctcact tgttttagtt 240
ctgatccagg gagatcacc ctctaattat ttctgaactt gggttaataaa agtttataag 300
atttttatga agcagccact gtatgatatt tttaag 336
```

<210> 523

<211> 172

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 5, 9, 11, 21, 49, 56, 60, 65, 66, 83, 88, 92, 113, 129

<223> n = A,T,C or G

<400> 523

```
ngacnggcnc ntggctatgt ntatagatag ggctttaacc actatctgng aagcangagn 60
gacannattc ttgctctcac atnccacngg anacgtatct ctcttctctt acnagcgaag 120
aaccatctnt ttctaaagcc cccattctat tgcccttgct tttctctggc tt 172
```

<210> 524

<211> 471

<212> DNA

<213> Homo sapiens

<400> 524

```
ccagacctgc agaaaaactt agcacagctc aatctgctgt tttgatggct acagggttta 60
tttgggtcaag atactcactt gtaactattc caaaaaattg gagtctgttt gctgttaatt 120
tctttgtggg ggcagcagga gcctctcagc tttttcgtat ttggagatat aaccaagaac 180
taaaagctaa agcacacaaa taaaagagtt cctgatcacc tgaacaatct agatgtggac 240
aaaaccattg ggacctagtt tattatttgg ttattgataa agcaaagcta actgtgtgtt 300
tagaaggcac tgtaactggt agctagttct tgattcaata agaaaaatgc agcaaacttt 360
taataacagt ctctctacat gacttaagga acttatctat ggatattagt aacatttttc 420
taccatttgt ccgtaataaa ccatacttgc tcaaaaaaaa aaaaaacctt c 471
```

<210> 525

<211> 332
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 36, 60
 <223> n = A,T,C or G

<400> 525
 ccccnctgta ttccagcctg ggtgacccca tctcanggaa gaaaagttac cagatgtcgn 60
 gggtaaaggt tgggtcttcaa gtggcctcat aagttgtctt gcattttaaatt tcagggaatt 120
 cattggacca atagggttaca ttttcgttcc ttttttgttt tggttcatct gttaagcagt 180
 gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg 240
 ttcaaactgg ttgttgatgg gtaataaggg ctgtttttgc tgccccaaaaa gggcttaaca 300
 atttaggcgg atagtttact taaaaaaaaa aa 332

<210> 526
 <211> 440
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 36, 241, 258
 <223> n = A,T,C or G

<400> 526
 ccaggttacc tcccctaaca gatgtggtgt tctganggggt tggtttaagt cccgaggaaa 60
 ataggcctta actgttaaca tctacagaga agaaagcatg gtcacactgg caaggagtaa 120
 gaagggattg ggtaaaagaa aatgggagag aaaagggaaa aaagttttgg caagacaatt 180
 gtcccttgc tgaagctgc agggtgaaag ctttcctttc ttctattttt gtttttaatt 240
 nctgtctctc tgatcagngg aaaagtgaag atttctagta tctagcacta acgtatgacc 300
 caactttgag ggatcacaag ctagaacaag ttgaggattt aaaatcctgg ataattatat 360
 acttaaagtt catgagcata aagctcactt gaccatgcag aaatgctggg aagcagggtg 420
 catggcatgg gaatacatct 440

<210> 527
 <211> 124
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 30
 <223> n = A,T,C or G

<400> 527
 tttccatatg tctgttgggt gcataaatgn cttcttctga gaagtgtctg ttcctatcct 60
 ttgccccctt tttgaggact taaatgtag acctaagacc ataaaaaccc tagaagaaaa 120
 ccta 124

<210> 528
 <211> 162

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 35
<223> n = A,T,C or G

<400> 528
ctgcgggaga aatatgggga caagatgttg cgcangcaga aaggtgaccc acaagtctat 60
gaagaacttt tcagttactc ctgccccaaag ttctgtcgc ctgtagtgcc caactatgat 120
aatgtgcacc ccaactacca caaagagccc ttctgcagc ag 162

<210> 529
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 34, 35, 270
<223> n = A,T,C or G

<400> 529
cctttaaaat atagcttata aaatgtatac tatnngccag gagagctcac atttttctgc 60
agttttccag tggacctgcc tatggaatac tgtaaagaaa aatctgcaaa aatattccta 120
gcaattgaat cagtgccttt aaataaaaga agtggagagg ggcttggtta aattattctg 180
acaagttttc ttgctagtgg ttgccaaaat taaggatatt tgaagtgtcc tatcacccaa 240
atttggcttt aagaaaaagc tatattctgn gtctataggg tgaagccac actatctgtg 300
ctgcattctc aatgatacaa tacctatctg gaaactttcc tgttttgcc atgggtgcac 360
aaatctaaaa cattttatca caaaaggtag ttgaatttaa atttctttt 409

<210> 530
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 39, 47, 96, 254, 264
<223> n = A,T,C or G

<400> 530
ccgccagtgt gatggatata tgcagaattc gccctttcna gatttgngcc cgggcaggtc 60
catggctagg attatagata gttgggtggt tggggnaaat gaggtaggca ggagtcagag 120
gaggttagtt gtggcaataa aaatgattaa ggatactagt ataagagatc aggttcgtcc 180
tttagtggtg tgtatggcta tcatttggtt tgaggttagt ttgattagtc attgttgggt 240
ggtaattagt cggntgttga tganatattt ggagggtggg atcaatagag ggggaaatag 300
aatgatcagt actgcggcgg gtagg 325

<210> 531
<211> 173
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37
 <223> n = A,T,C or G

<400> 531
 ccaattgatt tgatggtaag ggagggatcg ttgaccncgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt tag 173

<210> 532
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 41, 331, 344, 369
 <223> n = A,T,C or G

<400> 532
 caggtcctac tatgggtggt aaatttttta ctctctctac ngggtttttt cctagtgtcc 60
 aaagagctgt tcctcttttg actaacagtt aaattttacaa ggggatttag agggttctgt 120
 gggcaaattt aaagtgaac taagattcta tcttgacaa ccagctatca ccaggctcgg 180
 taggtttgtc gcctctacct ataaatcttc ccactatttt gctacataga cgggtgtgct 240
 ctttttagctg ttcttaggta gctcgtctgg ttccgggggt cttagctttg gctctccttg 300
 caaagttatt tctagttaat tcattatgca naaggatatag gggntagtcc ttgctatatt 360
 atgcttggtt ataatttttc atctttccct tgcgg 395

<210> 533
 <211> 290
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 215, 216, 237, 244, 249, 265, 267, 283
 <223> n = A,T,C or G

<400> 533
 ctgaaccatt atgggataaa ctggtgcaaa ttctttgcct tctctacttc tcaactgattg 60
 aacataagct tccagggtc cctgaaaac caaatgaaa acaatgtcaa aatattagat 120
 aaatcacata aaacagttaa ggggatacca atatataaaa attattaggt aagctcattt 180
 ctggaactgt taatgctcgg ttccacaatc caagnngacc aacagccttc actcagntac 240
 tggnaagtgt actatgggta ctacngntac tabcttttagt gtnaaaaact 290

<210> 534
 <211> 334
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 43, 44, 96, 126, 219, 228, 239, 248, 263, 287, 299, 310,
318, 322, 323, 330

<223> n = A,T,C or G

<400> 534

```
ccgccagtgt gatggatatt tgcagaattc gcccttagcg agnnagccgg gcaggcccat 60
ggctagggttt atagatagtt ggggtggttg tggggnatga gtgaggcagg agtccgagga 120
ggttanttttg tggcaataaa aatgattaag gatactagta taagagatca ggttcgtcct 180
ttagtggttg gtatggctat catttggttt gagggtagnt tgattagnca ttgttgggng 240
gtaattantc ggctgttgat ganatatatt gaggtgggga tcaatanagg gggaaatana 300
atgatcagtn ctgcggcngg tnnacacctn gccc 334
```

<210> 535

<211> 557

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 536, 538

<223> n = A,T,C or G

<400> 535

```
nccataagct tcagtgcgca aaagggtcaag gccagtgtta atttggttatt tcttaaataa 60
ctttcccttt cattttttaa ttataaattt aacttctaac atgttttatg gttaaaattg 120
tacttttttc cttagcgac attcaaattg atcacatca ctttgtgaaa ttgttcgcct 180
gagcagagac cagatgttac aaattcagaa cagtacagag cccgaccccc tgcttgccac 240
tctagaaaag tatgtgtaaa actctgttct tgttcttctt tcatattgat gctgttccat 300
gtgttaccat tgtgagtggt tggtaagtgt tccttatgtg ggaatcatgt gccttgaaaa 360
taaccttggg tgggtgagaa ggtagggaaa cctgcttctt ttatctcaag taaaagtttt 420
ggcagggtaa agaagataaa tgacatttat atctagactt ttgagttttc caattatttg 480
gtaaaaatgg gaaattctgt agaagccctt ccttaaaaaat gggggaagtc catttnanaa 540
aattaactgg taggtca 557
```

<210> 536

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 37

<223> n = A,T,C or G

<400> 536

```
gttccaacct tcatttctga aactgttcta gagcacngtg tctttctcgt agttcataac 60
ttacccttc agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta 120
agctcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga 180
ctcatatcta gagtctttag atgaaactta ctgagttgaa taacttaata tatttctgtt 240
ttcattccca agggaggcca tgtctggaga tagaccttga atttaataaa ttttaggcac 300
tataccattt cagtggagaa aattgttggg aaatttgggg ggatggatat ataaggggga 360
ggaagtcact gg 372
```

<210> 537

<211> 284
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37
 <223> n = A,T,C or G

<400> 537
 ccttctgatg caaacagaaa ggaaatgttg tttggangcc ttgctagacc tggacatcct 60
 atgggaaaat ttttttgggg aaatgctgag acgctcaagc atgagccaag aaagaataat 120
 attgatacac atgctagatt gagagaattc tggatgcgtt actactcttc tcattacatg 180
 acttttagtgg ttcaatccaa agaaacactg gatactttgg aaaagtgggt gactgaaatc 240
 ttctctcaga taccaaacia tgggttaccc agaccaaact ttgg 284

<210> 538
 <211> 293
 <212> DNA
 <213> Homo sapiens

<400> 538
 gtacatagta ggtgtatata tttatgggct atataagatg ttttgataca ggcatgtaat 60
 gtgaaacaag cacatcaaca agaatggggg atccatcccc taaaacattt gtcctttggg 120
 ctacatgtca tttcctaata taaagaaaat ggacagacag aaccaacatt gatttgactg 180
 ggtgaaaaag tccatttgag ttgggagcag gggttgtgtt cctggatttg ggttgtagg 240
 acagtgtaaa aaggcttcac aggggaacat tcttttctga taaaggaaag cag 293

<210> 539
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 35, 36, 59, 251, 367, 436, 437
 <223> n = A,T,C or G

<400> 539
 tttcnataaa ctttattttt agagcagttt taagnnggta gcaaaattga ttagaaggna 60
 cagagatgtc ccatacacct cctactccca cacatgcaca gccttcccca ttatcaatag 120
 cccccaacag agggatacat ttgttaacaa ctgacgaacc tacatatcat tatcacccaa 180
 agtccacagt ttatattatt ccttctggag aattttcaaa tacagaaatt cctctaccag 240
 gaataaacta ncaatttcct ctcggtttc tataaattta attattattt cagaaattag 300
 cctatcttta caggagaaaa tggtataaac catgaaaaga ctatcaaata cacaaggaag 360
 tgaatgntat ataaaaaatg taccatctcc taaacaacta cctgcattcc cttcttggtg 420
 gtaagttata atttgnnata gttctgatca tctgtttaat taatttgc 468

<210> 540
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 35, 360
 <223> n = A,T,C or G

<400> 540

```
ctgttttatt aattccccca tttgcagcac acttntctct tccaacattc atcagtcaga 60
tcagagtcca cggtcttttc aaaatttaga taaactggct tacattttgt aatgatgtcc 120
ccagacaaca ccccaactcca acccattctg tttgttacta ttagtttaca acatgcatgt 180
gcctttactt tcattttcat agtatTTaaa aatggaaggg cactcccaaa tttactttaa 240
cccctttaat aatctctctc ctctgctctc ctctggctct ccagacaact gttgatttac 300
tttcctttat gatggattag tttgcatttt ctagaatttt atatgactga catataaagn 360
ttttatgttt ctcccctttg ggtttcttca tgtggca 397
```

<210> 541
 <211> 248
 <212> DNA
 <213> Homo sapiens

<400> 541

```
cctagatagg ggattgtgcg gtgtgtgatg ctagggtaga atccgagtat gttggagaaa 60
taaaatgtgc atagtggggg ttttatttta agtttggttg ttaggtagtt gaggtctagg 120
gctgttagaa gtcctaggaa agtgacagcg agggctgtga gttttagggt gagggggatt 180
gttgtttggg aggggggatgc gggggaaatg ttgttagcaa tgagaaatcc tgcgaatagg 240
cttccggc 248
```

<210> 542
 <211> 366
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 75, 123, 364
 <223> n = A,T,C or G

<400> 542

```
aatcggccct ctagatgcat gctcgagcgg ccgccagtgt gatggatata tgcagaattc 60
gcccttgagc gatanccgcg gcaggtccaa ttgatttgat ggtaaggagg ggatcgttga 120
ccnccgtctgt tatgtaaagg atgcgtaggg atgggagggc gatgaggact aggatgatgg 180
cgggcaggat agttcagacg gtttctatTT cctgagcgtc tgagatgtta gtattagtta 240
gttttggttg gagtgttagg aaaagggcac acaggactag gaagcagata aggaaaatga 300
ctatgagggc gtgatcatga aagggtgata gctcttctat gataggggaa gtagcgtctt 360
gtanac 366
```

<210> 543
 <211> 460
 <212> DNA
 <213> Homo sapiens

<400> 543

```
cctactatgg gtgttaaatt ttttactctc tctacaaggT tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg ggcaaccagc tatcaccagg ctcggtagggt 180
ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
```

```

agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctt ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt 420
ctatcgcta tactttatctt gggtaaattg tttggctaag 460

```

```

<210> 544
<211> 116
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 42, 46, 95
<223> n = A,T,C or G

```

```

<400> 544
ccgccagtgt gatggatata tgcagaattc gccctttgga gngctngcgc ccgggcaggt 60
ctgtttcagc agctcctcct tcttcttccc gcgangatct cgagccttga tcttgg 116

```

```

<210> 545
<211> 380
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 18, 102, 104, 123
<223> n = A,T,C or G

```

```

<400> 545
cgacggatcg atnagctnga tatcgaattc ggacgagcat ggcgtattgc tgcagatatg 60
gattcttcag aatgctccat gacaaatgta ctgacgggaa gncnatctaa aggaggcatt 120
gtnatgagag aaaggtctcg agctccagat aaagagagat acagagttct tgggaattgga 180
gttgacagaaa cagtaagaca atcgattgtg gggaagcggt cttttagaga atctttggcc 240
ttcactccaa agcggttggtc ttcataaata ataagtagct cgtgccgaat tcctgcagcc 300
cgggggatcc actagttcta gagcggccgc caccgcggag gagctccagc ttttggtccc 360
tttagtgagg gttaatttcg 380

```

```

<210> 546
<211> 418
<212> DNA
<213> Homo sapiens

```

```

<400> 546
ccagggaat taggcaggag aaggaaataa agggatttca attaggaaaa gaggaagtca 60
aattgtccct gtttgcggtat gacatgattg tataatctaga aaacccatt gtctcagccc 120
aaaatctcct taagctgata agcaacttca gcaaagtttc aggatacaaa atcaatgtac 180
aaaaatcaca agcattctta tacaccaata acagaccaac agagagccaa attatgagt 240
aactccatt cacaattgct tcagagaata aaatacctgg gaatccaact tacaagggat 300
gtgaaggacc tcttcaagga gaactacaaa ccaactgctca aggaaataaa agaggatata 360
aacaatgga agaacattcc atgctcatgg gtaggaagaa tcaatatcat gaaaatgg 418

```

```

<210> 547
<211> 172

```

<212> DNA
<213> Homo sapiens

<400> 547
cctgaggttg ggagaaattt tgtccatttc tttagaacca aaattggcaa ccagagagta 60
tttgatggtt acacaaaata tctagtttcc ctttctagcc taaattgggt tgtttatagc 120
accgtctctt ccatttgaga aaaatgggta ggatgctggg gcagggatga gg 172

<210> 548
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 340
<223> n = A,T,C or G

<400> 548
ggtctgactt aagagaaaca atggaaggca agaggcagta gaataatata ttcaaaagat 60
gcaaaggaaa aaaacctctc agccacgaat tccttatcca gcaattatgt ttcaaaaatg 120
aaaataacac aaagacttag ccagataaac agaaacatta actgaagttg ttgctggcag 180
acctaccata taaaaataaa aaactctaaa aaaattccta tggctaaaag caagttacag 240
aagacagtca cttgaatcca catttttaaaa aaagcactga tatacgtaat attgacatta 300
taaaagacag taaaaatgca tttcttcttt ataataaatn gcttattaaa taacatgtgt 360
ataatgg 367

<210> 549
<211> 418
<212> DNA
<213> Homo sapiens

<400> 549
ccaaatcaga acctagagtg agcattctat aaactcacct ttgctttgat ccttgaagat 60
cacaagtgtt gatactgttg aaatctctac tctttcaaca ctttaattaa atggcattta 120
gaatttcata tacttctgtt gttgtttcca caatcttaaa ctggatttag aaatacttat 180
aatgtaaatg caagagcttt aacttagtaa ccgtatttcc tattttttgt tgtttttctt 240
ttgccagaat ttctgtttgt ctacaataaa gtccagcgaa atacagtatt tggttagggt 300
acttgtaaac ataaaatttt atcatttgta gagtttttac ttaaccttcc tattctctag 360
tctctataat ctttcaatga agataaccag ttacgaatat ctctataacc atattagg 418

<210> 550
<211> 234
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15
<223> n = A,T,C or G

<400> 550
cctacccgcc gcagnactga tcattctatt tccccctcta ttgatcccca cctccaaata 60
tctcatcaac aaccgactaa ttaccacca acactcacia caaaactaac taatactaac 120

```

atctcagacg ctcaggaaat agaaaccgtc tgaactatcc tgcccgccat catcctagtc 180
ctcatcgccc tcccatccct acgcatcctt tacataacag acgagggtcaa cgat      234

```

```

<210> 551
<211> 542
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 14, 29, 160, 190
<223> n = A,T,C or G

```

```

<400> 551
caccctacc ccnntcctca taaaagttnc tctccctgga tcctcttttt ccctcatgag 60
tgcccggttg cccaagtcaa aaacctggga gtgatataaa ctccccacac atccagtcag 120
tcactcatca actctattga ttctgtctgc taaatatatn tcaattgtat taacttaaac 180
atatgcatan ggcactttct tcttcaactgc atttttgtgg gctgcactta cctttcaggt 240
aacgacaaca ctggcccctc ttgcccttct agtcagaagt gccaaaatga tgagagctag 300
ccatgacaaa cccacagcca acattacact gaatgtgcaa aactggaagg gcatccaaac 360
agaggagggg agagaggaat agacaggaag tcaaactgtc tctgtttaca gatgacatgt 420
ttctatatct ataaagcccc atagtcttgg ccccaaagct tcttctgctg ataaacttta 480
gcaaagtctt agcatacaaa atcaatgtgc aaaaattact aacagtccta tacatcaagt 540
ca                                         542

```

```

<210> 552
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 6, 25, 209
<223> n = A,T,C or G

```

```

<400> 552
cctggntgac aaggaggtgc ctgtnatgtg aagatttgag gaaagagcat tccaggcagg 60
gggaaggctt gatgcaaagg gtctactgca ggcattagct gagcttattt aaagatcaga 120
atgaaggcca ttgtggctag aacagagtgg acaggaagga atggtaccag gcaaagctga 180
agaagttggc aggattgagc tctcataant catggcaaag agttcccatt tcattgtttg 240
acggaaataa attggaaggt cttaagtagg agaagatttg attagattta cattttacga 300
agaagcactc tggatgttat gtgaagaaat ggcctttgca gggcaagggt ggaaacaaag 360
agatcagtta ggaaattatt ggagtagctg aggattggat gaggggatgt g          411

```

```

<210> 553
<211> 631
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 395, 574
<223> n = A,T,C or G

```


<400> 553

```

ccgggattag aactaaaaca agtgagatca cccctctaata tttttctgaa cttgggttaat 60
aaaagtttat aagattttta tgaagcagcc actgtatgat attttaagca aatatgttat 120
ttaaaatatt gatccttccc ttggaccacc ttcatgttag ttgggtatta taaataagag 180
atacaacat gaatatatta tgtttataca aaatcaatct gaacacaatt cataaagatt 240
tctcttttat accttcctca ctggccccct ccacctgccc atagtcacca aattctgttt 300
taaatacaatg acctaagatc aacaatgaag ttttttataa atgtatttat gctgctagac 360
tgtgggtcaa atgtttccat tttcaaatta tttanaattc ttatgagttt aaaatttgta 420
aattttctaaa tccaatcatg taaaatgaaa ctgttgctcc attggagtag tctcccacct 480
aaatatcaag atggctatat gctaaaaaga gaaaatatgg tcaagtctaa aatggctaata 540
tgctctatga tgctattatc atagactaac gacntttatc ttcaaaacac caaattgtct 600
ttagaaaaat taatgtgatt acaggtagag g 631

```

<210> 554

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6

<223> n = A,T,C or G

<400> 554

```

ccaggntagt ctccaactcc tgaccttagc tgateccacc acctcggcct cccaaagtgc 60
tggtgattaca ggcattgagcc actgcgcccgc gccaaacttg atatgcattt ttaaataagt 120
taatacatta ttcatgggtt agtctcatta tatattctat ggtccacttt gaaatttcat 180
ctaaccacaaa tcatcttcat cctgcaattt gaggtttgga cacaatgggg attgatcagt 240
aattttcttca tatgcccttt ctcaaggaaa tagtttccta tgaaaaaaaaa gtcctatgtt 300
ttcatgtaag ttctcttttt ggagaagaaa aggagacatt cttacttagc actctcagtt 360
ttacaaaacg ctgccaacct taaaatttgt ctattgattc ccaaggcaca caaccaatag 420
tctgtcaata acccggaata acattttctt aaggccccag taactttcac atgtttgggt 480
tccaatcctc acctagaatc ttgttaagaa aagtaaacca ttcactcctc tagaaactct 540
aaggttgctt cttagggg 558

```

<210> 555

<211> 212

<212> DNA

<213> Homo sapiens

<400> 555

```

ccaggatatt gcataatggc ttttcttctg ttgcctttgt tcctttgtgg cccagctaa 60
ttgcctgaga gtgccactgt tagttttcaa ctctttctga tagaaaccct gtgtactaac 120
atggaaatct taggtaatct gctttttcaa agcacaatgc agaatttatt ggcggtggtg 180
taactttaag aatatccgag aagccaccaa gg 212

```

<210> 556

<211> 219

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 214, 216

<223> n = A,T,C or G

<400> 556

```
ccatgtgtct atctggagag aaggggaaac agcaagtgca aaggccctga gatggaacat 60
atctggagaa ttcgaagaat ggtaagaagg ccagagtgga gcagaacaag tgtgggagag 120
agttgtagga gatgagatca aaggctagga atgaagtgta aggccatgtc atgtgacctt 180
gtatgtcctt gtaaggcttt tttttttttt tttnancct 219
```

<210> 557

<211> 482

<212> DNA

<213> Homo sapiens

<400> 557

```
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggg tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagg tatcaccagg ctcggtaggt 180
ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctt ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tatagggggt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgctg tactatatct attgcgccag gtttcaattt 420
ccatcgccct tactttatth gggtaaattg tttgggctaag gttgtctggt agtaagggtg 480
ag 482
```

<210> 558

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5

<223> n = A,T,C or G

<400> 558

```
ctgtnaaaat tctgaaccta tccccaaaag aaaaaccgtg aaatacaagt tttaggaggt 60
ggagcaaaga aaagccaagt tattttaaac caataaacac aagagacaat tctgctggag 120
aattttacttt ctccaaaaca tcaaatggac tttaaagcag aagaccacat tttatgagaa 180
agttatgtca ctgaaaagct tcatgtaaag tgactttgtg aatggaatat ttttaaataga 240
taaaaagaaa ataacttttc caggaatcct ttggagaggc tgataaccag atattaaatt 300
atcaattttg ccaaagtgga ctttttaaaa atgtgttact tttaaaaact aacttgaaag 360
aattttatgag gcaatctatc tgagtatgtt tattgttgct ccattggctt tcaggatttt 420
ggtcattttca ctgttaactc ttacatcaga gaataaagaa aagaaaatga aactttgtta 480
ggaactggga tggaaaatgt agtcccagac agatctactg acctcgactg agtttcagaa 540
atatcccagg attttggtta ttcatgcctt tcttttgtga ctttctttca aattagccaa 600
ttaaagatac cccttcaatc accggtgaca tcagtacaac agtttttcaa cagttttctc 660
tctcctgacc aaacagttt 679
```

<210> 559

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 393, 407, 420, 450
 <223> n = A,T,C or G

<400> 559
 cccactgta ctccagcctg ggtgacccca tctcaaagaa gaaaagttac cagatgtcat 60
 gggtaaagggt tgggtcttcaa gtggcctcat aagttgtctt gcattttaaatt tcagggaatt 120
 cattggacca atagggttaca ttttcgttcc ttttttgttt tggttcatct gttaagcagt 180
 gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg 240
 ttcaaactgg ttgttgatgg gtaacaaggg ctgtttttgc tgccccaaaaa gggcttaaca 300
 atttaggcgg atagtttact taaaaaaaaa aatcctttgg agacatactg aaaatgcaaa 360
 ctagtttcta aattatcaat tccctacatg aanaagcagt ttgccanagt ttagtctcan 420
 aaaatgactg gttggctcta tttaaatcan aaccaatctt ctacgcacct gcccgcccg 480
 ccaagggc 488

<210> 560
 <211> 602
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 566
 <223> n = A,T,C or G

<400> 560
 cctanttaag aattccttgc cttagtgggtg aacaaggact aaacacagac aatgggtgaa 60
 acacagacgc taattcacat aacagagagt aggcaacctt aagaatgaat tgatgcagac 120
 tcctatagaa ttctctgtt atgactgggt tcttattttc tcctccttgt atgtagttga 180
 aatttcacat ttatgaatag ttccttggat ctttttttaa agttgtgaat gcgagtgttt 240
 ggctttgtaa tacaactttt tagtatccag aagataacca gtgctctacc aataaagatc 300
 ttttgataca aagggtttta acttctgccca gttcttactc atttttttca ggttttttat 360
 acatttctta aacaacacat acattatgta aaatataaga attaatgtac attctcaagg 420
 ccagattcag tgacaaaatg cactaccgca atctagtaac acatttactc cttgctgcat 480
 ataagtggcg tgtaagaaat acagggtata ttgttttgtg atccatgcag taaatgttca 540
 caaatatcag gcaaacaact agacgntctt cagctactaa aattaactgt cccagtcaca 600
 aa 602

<210> 561
 <211> 683
 <212> DNA
 <213> Homo sapiens

<400> 561
 gtctattttt aaaaagaaag aaaaaaacca cttttttata gtccctagct ttgccatatg 60
 cccgccttaa gtggaaggaa agttaatcac ttaactatgt tttataaaaa gaaaaaagg 120
 cttggaatgc tattactgtt cacacaaagt atgattctgt ttgaataagg caaatgctcc 180
 ttttttttaa aaaagacatt actgtaatat caaaaaccgt ggcagtttgt atacaactct 240
 gggcttgatt tttttttaa aaacagaatg aattgatgtc ttattttata aatgttctat 300
 atttattagg agaaaacttt atattgcctt ttttatcaat catgtaacag gcttatagct 360
 ttccaacaga gctgcttgcc aaacaatttt ttttgtttat taaacagtgc tgaaacaaac 420
 aggatcagca tttacttaag atgttaagaa tgaggacttt taatcagccg aaccaagata 480
 ttgttacctg tatgcattcc caaagtctag atgctcagta tgttcagtca tatctttcag 540
 aatcagtga ccgattaccc tttttttggt attcactcta catctgccaa cctagttcac 600

cttggttttg tgtctgctgt agaaggggaac cataacttgg ttaaaccgta gggattatca 660
 ttgtatacat gctgtgaaca tgt 683

<210> 562
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 562
 gcactttttt tccagtaagg attcatctct tgctctccta tatgggtcatt atattttata 60
 ttttacatat ttataaacat gacatatgta tttatgttcc acaaagggct ttgaatagaa 120
 tttacacata gagttccctg ggttgatgtg tttatcaaaa tggaagataa agtgaattaa 180
 ttacttaaat atttaacact attgaataga aataatttcc ccaatattgc ttcattgattt 240
 agacagtcta ttaaattgtt aagcaaggca ctagactaag tttattaaga caaatttttg 300
 aatatgtgca gaaatatgac ctggctaata gtacagagtc aaagctgggt gaattggtgtt 360
 atatatgtga ttcagattga tgtgggcagt gtggttacac taggggcact aaggttatcc 420

<210> 563
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 563
 ctccacctta ctaccagaca accttagcca aaccatttac ccaaataaag tataggcgat 60
 agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac 120
 caagcataat atagcaagga ctaaccctta taccttctgc ataattgaatt aactagaaat 180
 aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag 240
 ctaaaagagc acaccctct atgtagcaaa atagtgggaa gatttatagg tagaggcgac 300
 aaacctaccg ggcttggtga tagctggttg tccaagatag aatcttagtt caactttaac 360
 tttgcccaaca gaaccctcta aatcccttg taaatttaac tgtagtcca aagaggaaca 420
 gctcttttga cactagga aaaccttgta gagagagtaa aaaatttaac acccatagta 480
 gg 482

<210> 564
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 564
 ctggaagtga aggtactaat atacaaatgg ctcttgtttc tgaatatgtg atataatttg 60
 tgaatctttg gaaactgaat tttttctatg gagtgcaaat atagaagggt tattttacaa 120
 tgtttggtgt gaaaagaatt cactttgtaa acaactatta aggctggaag tttagtgaag 180
 gtgcatagtt ttgaaagcta cacagggtgaa aaatcaaact tattggttgt aattttgctg 240
 ttacatgtta agttactttg acagcaattt tctaatgata atgtgattta tgatttaaaa 300
 gg 302

<210> 565
 <211> 554
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> 4, 5, 37, 38, 550, 551

<223> n = A,T,C or G

<400> 565

```
ccanngtgac atcatggcaa tacagcaaga attctggnat ttatttagaa gcctcaagga 60
gaaggatcct ggagcccctg aatgagagtt tcttctccat gcctctcccc agtcaaaata 120
catggaaata ttcatagaag cattgtaccc agcatgataa ggaaggatgg agaatgggtc 180
cttatatctc tggtcacaaag acatcaacac tcttaagtaa ctgtatgaaa taaattctct 240
gctgaaagca aataaaccat ctgaaaggtc ttctgggttac ttacacagat ttcctagaga 300
atctgaaatc agcctaacag ggaagattaa tttttaaatg aatccaagtt aatgaaagca 360
aagaactctt atacagaaat acattttcct attataaagc aggactacct tccctaattt 420
ctgatagacc taggacaatt tgaatgggca ttgaaattct tttgggttgaa ttacgcaaac 480
aagcaaagga aaagtctcaa ttattattgg aaaatttggg gagagattat tatctcttga 540
tctcctagtn natt 554
```

<210> 566

<211> 631

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 14, 15, 35

<223> n = A,T,C or G

<400> 566

```
ncgaagctgt gaanncattc acacggaatc tgganggtat tactgtaact tcttataata 60
cataatataa aagtttttga aagatataga cacaattaac ccctaaacaa cacactatct 120
gattctcaaa agcaatggct atttaacaag atgtaaaagg acaataacat atcaaagaac 180
tttcacacac ctaaagatag catttagcag caagttagtc agacaaaaca aacataaata 240
tcttcacatt tcctatgttt gtttttaact ttacttcata aagccactga taattgaggt 300
ttctttcaag tataagattt ctaaaattaa aaactgtttt tgacatattt ttataaagaa 360
ataaaaagca aaacgcaatc caactattta tatgagtcct tcttctccaa cagctttaga 420
tgtttttctg agtacttttt acacagaata tttttattaa aatcagttct aattcattta 480
tgcagattag gggaaaatga ttcataataa attaacttta aaattacctt ctatctgctt 540
ctacctctat ccccccatca ccaccaaatc tgttgctaca gtgaactgta gccaatgtct 600
gtttgagggg gcccaaagca tctggtaatc t 631
```

<210> 567

<211> 510

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6, 39, 87, 97, 111, 113, 161, 163, 179, 210

<223> n = A,T,C or G

<400> 567

```
cctatnatag cttctctagc tatcatactc caatcagcna aaaatgagaa aatgttgaga 60
aatagaagat aattcctcat ttaaggncac cttctanaat ttgtgcttaa nantctgttt 120
tcttctcatg ggccagcact tcggcaactg ggaaaaatta ngngtacagg gatctaggna 180
atactgttta tttgagcaat aatatattgn gctaacgttc aggcatccta ttactgagaa 240
ataagggaaa atgagtgtaa agtacaacta agagtctcgg ctacagggaa aaataccatc 300
```

```

agttaaatat ccatagtcct agagcattta tgtaaaactg caatttgaat cctgcaatac 360
atatttggtt tttcctcagt gataccatgt gtgggaagtt gttctgtcaa ggtgggtcgg 420
ataatttgcc ctggaaagga cggatagtga ctttcctgac atgtaaaaca tttgatcctg 480
aagacacaag tcaagaaata ggcattggtg 510

```

```

<210> 568
<211> 180
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 6, 11, 34
<223> n = A,T,C or G

```

```

<400> 568
ttaatntgac ncacgcttat gcggaggaga atgntttcat gttacttata ctaacattag 60
ttcttctata gggatgata ttggtccaat tgggtgtgag gagttcagtt atatgtttgg 120
gatttttttag gtagtgggtg ttgagcttga acgctttctt aattggtggc tgcttttagg 180

```

```

<210> 569
<211> 237
<212> DNA
<213> Homo sapiens

```

```

<400> 569
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt caggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaag 237

```

```

<210> 570
<211> 352
<212> DNA
<213> Homo sapiens

```

```

<400> 570
ctgtctctcc atttagagcc ccagttgggc ctgacctctt acaaatttgg tgttttcact 60
ttgatgttta tgaaccgatt gcattaaaaa tgcaggataa tgattcaggg ttagagaaac 120
tattatttat acaaatgtgg ttaacacctc atcattttaa attggctgtg ctaataatgc 180
tcattgtgct cttcagggtt atgtgtgtgt gtgtgtgtgt gttttgcctg aatctgcaac 240
ctacatttgc tctggcagta tggtgagtat atgctagaat agaattggacc taggcaactc 300
taaggctcta caactaaata cacttactta ggaaacctcc taaataagta gg 352

```

```

<210> 571
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<400> 571
ctgattttta caataactac tgtgttcctg gcaatagtgt gttctgatta gaaatgacca 60
atattatact aagaaaagat acgactttat tttctggtag atagaaataa atagctatat 120
ccatgtactg tagtttttct tcaacatcaa tgttcattgt aatgttactg atcatgcatt 180

```


gttgagggtgg tctgaatggt ctgacattaa cagttttcca tgaaaacggt ttattgtggt 240
 ttttaatttat ttattaagat ggattctcag atatttatat ttttatttta tttgtttcta 300
 ccttgagggtc ttttgacatg tggaaagtga atttgaatga aaaatttaag cattgtttgc 360
 ttattgttcc aagacattgt caataaaagc atttaagttg aa 402

<210> 572
 <211> 70
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 57
 <223> n = A,T,C or G

<400> 572
 tggatccgag ctcggtacca agcttggcgt aatcatgggc atagctgttt cctgtgntcg 60
 ttttacaacg 70

<210> 573
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 573
 ccaatgggttt cttagtgaag gagtacacta gctctgaatg caatgccctc agaaagatat 60
 cattcataga gacatacaaa gcacatggca acatgacatt ggaatacacg attctgagca 120
 tcttcattca tgaccaacct ggctatagat ttcagatgtc ctcttggctc gaaggatata 180
 tgggatatac atgctcactt gcattccttt ccctttaatt tcattttcta agtccttctt 240
 gtattgtttc taaaagaaca gaaaataatc ttggagcttt gcttaagctt taatagcgat 300
 gttgaaattt acatgtttga atctcaaagc caccatgtg gaaagaaaac ttatgctctt 360
 tccagctatg attcacggca tttattttta actttgtatc ttgctgctgt cttacctggc 420
 tgg 423

<210> 574
 <211> 129
 <212> DNA
 <213> Homo sapiens

<400> 574
 ctgttaaaag aacaaactta gcaatatata acagtttgct aacaggattt ttgactattc 60
 actttgcgag ttatttttta aaatccactt ttttactgag tcttactaca taccaggcac 120
 tgtacttgg 129

<210> 575
 <211> 684
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7, 40
 <223> n = A,T,C or G

<400> 575

```

ccagatntga cttttcaaaa ctactcacat tgtgaaaaan gcaggaacaa atctagtttc 60
aagttcagca tgccgttccc tgtttaattc ataaaacaca actggcagaa gtattacttg 120
aagcaaaaca aaagtaacgt gggaacttgc ttatttgcta agccacaatg tatttttcca 180
ggaatagcat aaatttgcca tctttcttgt gtctatggaa aaggggttta gaattgtttc 240
actaaaaatt aaatttctat attgtcaaac atgattgtat actcaaattt taaaatgtga 300
agggaacact tactaagcat ttcctgggta tgccactata ttaagtccta gtaatatgat 360
atagtttatt tcaatttttt ttcaactcat acttccttta aaatagcact gaccaaaga 420
aagttaacat gagcttcatg tacaattttt aatctttttg cagaaaaata aactgagaaa 480
ggctaaaatt gttttattta agccactata ccaagacata ttgatttcac caatataaaa 540
attgagatag tttacatttt ttggtacatc tttaaaatct ggtatgtatt tttatactga 600
cagcacatct caatttggac aagctacatt tccagggctc aatagtcacc atgaatctca 660
attgtaatca aagaggttgg cctg 684

```

<210> 576

<211> 134

<212> DNA

<213> Homo sapiens

<400> 576

```

ccttatttct cttgtccttt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg cacc 134

```

<210> 577

<211> 133

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 25, 27, 34, 117

<223> n = A,T,C or G

<400> 577

```

ctgtctctcc attnagaagc cccantnggt cctnacctct tacaaatttg gtgttttcac 60
tttgatgttt atgaaccgat tgcattaaaa atgcaggata atgattcagg gttaganaaa 120
ctattattta tac 133

```

<210> 578

<211> 200

<212> DNA

<213> Homo sapiens

<400> 578

```

cctcaaactc atcttcaaag gtgacccagc aatcagtgtc aatgccttta ctgtagtta 60
cctggtaatt tcattcttta gtctctccaa gaaaatctga agtgtattag gcaagtcaga 120
acccaaattg tctccaaggt tgcaaataat ttgtcccata caggaaatag ccctttcctt 180
gacttcctga tcaatgtcag 200

```

<210> 579

<211> 402

<212> DNA

<213> Homo sapiens

<213> Homo sapiens

<400> 583

```

ccaaggggtgt tctgcctgcc tcagcctccc aaagtgctgg gattacaggt gtgagccact 60
gtgcctgacc acaggaaaac ttattttaaat gagagatttg actcgaaaga tcccgttttt 120
ttaaggctct tagttcttaa aagcggcaca taatagaatt agtataatcc caaataaatt 180
ttcagtagat ttttggtgta acttgagaag atgattctgt catttttagt gacaatttaa 240
aagacctgaa attgtctaca gccatagaaa gtgaactact gatagttggt tctgtaaagt 300
tttattggaa cacaaccaca cctatttggt catctgtatt gtctttgggt actttgtgca 360
gagaccatgg ccacaaaacc taaaacattc actttctagc tctttaagaa ataattggcc 420
cactgacacc ctggtcttaa ggtctagacc aattatttct caagagtatt agctgaatca 480
g 481

```

<210> 584

<211> 306

<212> DNA

<213> Homo sapiens

<400> 584

```

ccaattaaga gctaaattta caaaataatc tctatcagga ggctttaagg tttaatgtct 60
ctaaagtccc tatggatata agaggcttga atgtactgaa ttcaaatttg gtttttaaat 120
gttataatag tttaggcccg agagccacat atttctgtct aagaatagaa agcatagcta 180
gctgcccaca cagaatattc atatagaggt ggggggcaag aacaaaattt attcatttga 240
tacatagaaa tgggactact tagaatagac tcataataga aagcatcatc tggtttctca 300
tctcag 306

```

<210> 585

<211> 308

<212> DNA

<213> Homo sapiens

<400> 585

```

ccagaatggt acagagtgga ggggtgttctg ctaatgactt cagagaagta tttaagaaaa 60
acatagaaaa acgtgtgcgg agtttgccag aaatagatgg cttgagcaaa gagacgggtgt 120
tgagctcatg gatagccaaa tatgatgcca tttacagagg tgaagaggac ttgtgcaaac 180
agccaaatag aatggcccta agtgcagtgt ctgaacttat tctgagcaag gaacaactct 240
atgaaatggt tcagcagatt ctgggtatta aaaaactaga acaccagctc ctttataatg 300
catgtcag 308

```

<210> 586

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 105, 119, 132, 139, 140, 144, 159, 160, 208, 226, 230, 247, 250

<223> n = A,T,C or G

<400> 586

```

cctgtctttg aatggatgaa atagggttaat aaaaaacatc actgttttaa aactagaaca 60
ctgaaaaatt ctaggaaagc ttattttccc ttatatTTTT atggnacttt caacacttna 120
caacactatt tnaattaann tttnttctag agtttatann atatcagtac attcttttct 180
gtggatgcaa taatatagaa tcttattnca aatcttactg gcaggntctn ttaaattctt 240

```

caacggntgn catagtgatt aacccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
 cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
 atgatgacag tcattttata tcaccttcaa ttaccaaca gcttttaata gtctgg 416

<210> 587
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 587
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggg tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
 ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttct ggggtcttag ctttggctct ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tggttataat ttttcatctt tc 382

<210> 588
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 588
 cctactcttc tccgtccatt gtactatctg cccgtgggtg ggatggcagt aggatcatat 60
 ttgatgactt ccgagaagca tattattggc ttcgtcataa tactccagag gatgcgaagg 120
 tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaatttttag 180
 tggacaataa cacatggact aatacccata tttctcgagt agggcaggca atggcgtcca 240
 cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt 300
 ttggagg 307

<210> 589
 <211> 89
 <212> DNA
 <213> Homo sapiens

<400> 589
 cctgggtgat tgaggatgca atgagctgtg attgtgccac cacactccag cctgggcaat 60
 acagcaagac tgtctcaaaa aaaaaaaaaa 89

<210> 590
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 590
 cctcagttct tgattgtggt tgacggggcg tcaccatgaa ggagcccatt tagtataaag 60
 cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcataag 120
 ggagtttccg atgccagagg atgaaagcaa gtgctctctc caccctctcc tcccagagtg 180
 aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga 240
 cacaaaatac tgagaggtaa ctttttatca atcaaaccac ataccccaat ttaacacctt 300
 tcaatgctct gaattcaact gacagactaa aggggtgttc ctgtaacagt ctgaaatatt 360
 aagtgttttt tttgttttgt ttttaaactc tatttcagaa aacttcctct tggggtagga 420
 aagtacacat gaagcagcaa agtaacgaag aaaaac 456

<210> 591
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 591
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tctttagtagac ctacttgcg 289

<210> 592
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 250, 316, 325, 392, 430
 <223> n = A,T,C or G

<400> 592
 cgcgttagat gcgccttttc cggcctgtgc gtctgctctg gttcctctca ggcagcaaag 60
 ctggggaagg aagctcaggc aggagcctcc ccgacaccac agcggcacia gcagcagcta 120
 aagcaccgca ctttgctctg ctaacctttt acttaaataa ggttttgcca aatccacatc 180
 tggaaccgca tcacacccat ttgcaaggat gtttggttctt tgatgaaact gcactctctac 240
 tgcacatgan ggcttttcatt gtaggacaag aggagagttc gtttatTTTT gtaactgttt 300
 tacatgttcc gattanttaa tcggnagctt atgtcatttg ctatgcctgt tgtcttctaa 360
 tctctcctta ctaaaacatt acttcaaatt tnaattgacc cttgtttata atttatttaa 420
 cgggatttgn gtgtc 435

<210> 593
 <211> 633
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35, 620
 <223> n = A,T,C or G

<400> 593
 ctgttttagtc agataattgt gtccgaattg attangaaaa taatagacca gccataaagc 60
 agcataaaaat attatgaaac tattccagaa gttcagtaat atctttggga cctgctcata 120
 gcccaagttt tgtgaatact tttgtagtta aaaaaaattt ttactttacc agggcattgc 180
 aattcttttc catcagtga tttcattcta cagacttttc agagcatctc ataactcagtc 240
 aacaaatcta tttcaaattg gtttggttact aagcaacggg tgctaagagc ttctgtaatt 300
 aagatgaaag ttccaaggta acaatgcccc aacacagcac cattttcacc attttctgat 360
 aatgcaggag taggatggct aaaagtgaag gaagaatcta ctctatggaa agcatggcac 420
 ctgaaatttc tgaagatatt ggctgtcctc tagcttatat gagagagagt gtttgtgctt 480
 tactaatcaa ccagtcattt ttttcttggtg tggctgaaat gtacattcca gacatgaaca 540
 ggtagagtat gtgttggggg cagggtttata ctgcatgggt gtgctgagac agggccacgt 600

ggtgatgtaa atgatgctgn ctgacacgtg cag

633

<210> 594

<211> 501

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 34

<223> n = A,T,C or G

<400> 594

```
cctttacaag atgctggtac cttgatcttg gacngggcag gctccaagat ggaaagaaag 60
tgagcatctg ctttttaggg attatccagt ctatactact ctgttctagc cacacaaaac 120
aggttaagac agaaattggt accaagagtg ggggtgttact acagcaaata cctgaaaatg 180
tagaagaggc tttgaaatgt ggtaattgga agaagctggg agaatttgga ggagtaggct 240
agaaaatgtc tgtattttca tgaatggagc attaagaata attccgggtga ggccataggg 300
aaagtctaaa acttttcaga aattatgtaa gcgattgtga ttagtagggt ggtagaaata 360
tagacagtaa aagcaattct gatgtggttt cagaggaaaa tgaaaaatat tagaaactga 420
aggaaggggc atccttgcta taaactggca aagaacttgg ctgaaatgtc tccatgtcca 480
agagatttat ggcagaaatg t 501
```

<210> 595

<211> 383

<212> DNA

<213> Homo sapiens

<400> 595

```
ctggtcacca tcatcccttt aatcaactca cacctgttta aagagtgttt ctgatttgac 60
cttcatccct tagtttactg gcgttaaaaa aagtctcagc aattttcatt atttctcgtg 120
ggtctcatta tcaaaccctt acttatctcg gcatacttcc tctgggcttc ttctagtttc 180
tgccttacia gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta 240
gagatggagg atggaaggat tggtaaccaga agagggtctaa gatacgtttt ctgtcttgag 300
ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgaggc cagagggggag 360
gtgacatggt tagagtcacc cag 383
```

<210> 596

<211> 266

<212> DNA

<213> Homo sapiens

<400> 596

```
ccatggctag gtttatagat agttgggtgg ttggggtaaa tgagtgaggc aggagtccga 60
ggaggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120
ctttagtgtt gtgtatggct atcatttggt ttgagggttag tttgattagt cattgttggg 180
tggttaattag tcggttggtg atgagatatt tggagggtgg gatcaataga ggggggaaata 240
gaatgatcag tactgcggcg ggtagg 266
```

<210> 597

<211> 383

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35
 <223> n = A,T,C or G

<400> 597
 ctggtcacca tcatcccttt aatcaactca caccngttta aagagtgttt ctgatttgac 60
 cttcatccct tagtttactg gcgttaaaaa aagtctcagc aattttcatt atttctcgtg 120
 ggtctcatta tcaaacccttt acttatttctg gcatatttcc tctgggcttc ttctagtttc 180
 tgccttacia gcaatgctgt tctgtaaatt tattgaaacc tctggaacat ttcaccttta 240
 gagatggagg atggaaggat tggtagcaga agagggtctaa gatacgtttt ctgtcttgag 300
 ctgaaagcac agtctactct ccttcgtttt gtcgatgaga aagttgaggc cagaggggag 360
 gtgacatggt tagagtcacc cag 383

<210> 598
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 598
 ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
 ggagggttagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120
 ctttagtggt gtgtatggct atcatttggt ttgagggttag tttgattagt cattgttggg 180
 tggtaattag tcggttggtg atgagatatt tggagggtgg gatcaataga gggggaaata 240
 gaatgatcag tactgcggcg ggtagg 266

<210> 599
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 201
 <223> n = A,T,C or G

<400> 599
 ccaattgatt tgatggtaag ggagggatcg ttgaccacgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca nataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgccg tgca 294

<210> 600
 <211> 213
 <212> DNA
 <213> Homo sapiens

<400> 600
 agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct tatgcggagg 60
 agaatgtttt catgttactt atactaacat tagttcttct atagggtgat agattgggtcc 120
 aattgggtgt gaggagtcca gttatatggt tgggattttt taggtagtgg gtgttgagct 180
 tgaacgcttt cttaattggg ggctgccttt agg 213

<210> 601
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 601
 nctactatg ggtgttaaata tttttactct ctctacaagg ttttttcccta gtgtccaaag 60
 agctgttcct ctttggacta acagttaaata ttacaagggg atttagaggg ttctgtgggc 120
 aaatttaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg 180
 tttgtcgcct ctacctataa atcttcccac tattttgcta catagacggg tgtgctcttt 240
 tagctgttct taggtagctc gtctgggttc ggggggtctta gctttggctc tccttgcaaa 300
 gttattttcta gttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc 360
 ttgggttataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ggtttcaatt 420
 tctatcgcct atactttatt tgggtaaata gtttggctaa gggtgtctgg t 471

<210> 602
 <211> 482
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 32
 <223> n = A,T,C or G

<400> 602
 tgagcataca gcaataaaaa taacataatt tntatgtgta caatatttat ggaatacgtt 60
 actggaacag ataaataatt tagttaataa catgacaaag aacagaaatt gtatacacta 120
 tacagcatag taatagaata atgaatgatt aaagttatta atattaggta gaaaatgaag 180
 ggtatctttg agagcagaac tcaaggaagc aagcaatttg ccttatgagg aaagagttac 240
 ctgtggataa aggagaaact gaaaaattta caagtcaaga ctttttgagc aaaaacaaaa 300
 atatgactat gagtcaccaa ttcagtagag tgaaaaaaa gttgaagaga tatcttgga 360
 gtaaaccatg ttgtggaaga gcagggtttt gataatcatg ggattattct gaatgaattt 420
 taaatgcatg aggaatatat gagataattt caccagagaa taatatgatc atgtttgcat 480
 tt 482

<210> 603
 <211> 372
 <212> DNA
 <213> Homo sapiens

<400> 603
 gttccaacct tcattttctga aactgttcta gagcactttg tctttctcgt agttcataac 60
 ttacccttct agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta 120
 agctcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga 180
 ctcataacta gagtcttttag atgaaactta ctgagttgaa taacttaata tattttctgtt 240
 ttcattccca agggaggcca tgtctggaga tagacctga atttaataaa ttttaggcac 300
 tataccattt cagtggagaa aattgttggg aaatttgggg ggatggatat ataaggggga 360
 ggaagtcact gg 372

<210> 604
 <211> 468
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 37, 199, 412, 460
 <223> n = A,T,C or G

<400> 604
 gcngttttga gtgagtttct taatcctgag ttctggnttg attgcactgt ggtctgagag 60
 atagtttggt ataatttctg ttctttttaca cttactgagg agagctttac ttccaagtat 120
 gtggtcgatt ttggaatagg tgtgggtgctg tgctgaaaag aatgtatatt ctggttgattt 180
 ggggtggaga gttctgtana tgtctattag gtccgcttggt tgcagagttg agttcaattc 240
 ctggatagcc ttgttaactt tctgtctcgt tgatctgtct aatggttgaca gtgggggtggt 300
 aaagtctccc attattattg tgtgggagtc taagtctctt tgtagggtcac taaggacttg 360
 ctttatgaat ctgggtgctc ctgcattggg tgcacatata tttaggacag cnagctcttc 420
 ttgttgaatt gatcccttta ccattatgta atggccttgn ctcttttg 468

<210> 605
 <211> 288
 <212> DNA
 <213> Homo sapiens

<400> 605
 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctggttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tctttagtagac ctacttgc 288

<210> 606
 <211> 572
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 399, 483, 488, 532
 <223> n = A,T,C or G

<400> 606
 gaatnaaatg aatgaaatag aaaatataat tgagagcttc aacaacagac tataccaaat 60
 ggaggaaaaa atttctgaac ttgaagatag atctttttgaa ataacacaag cagtggcaaa 120
 aatgaattaa aaagaataag gaaagcctaa aggatttatg agatatcatt aagcaagcaa 180
 atattcatac tatgggcatt ccagatggaa aaaagaagggt taaagggtgag gaaatcatat 240
 ttaatgaaat aatagcagaa aatttccgga gtcttggggag agagatgagc atttaggtcc 300
 agggagctca aagaacccca aacagattca acccaaacag gtcctctctg gagcccaaca 360
 tagtcaaatt gtaataagta aaagacaaag aattccaana agcattcaag agaaaagagt 420
 caagtcataa ataagggaat ctccattagg ctaacagcag atatctcagc agaaagctta 480
 cangccanga gagaatggga tgatatattc aaagtacttg aaagcagggg tnggggaaac 540
 cctgctagct aaaaatatta tacccttgca aa 572

<210> 607
 <211> 178
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 37
 <223> n = A,T,C or G

<400> 607
 ctcggggtaa tctcccagca agaggtcagg tcctggntgt gcgtcccagg gtgtcagtga 60
 aattggctgc tcccctgacc cagggcacct tcatgcgtct tcacagcagg actactgtga 120
 ccaaggccag acctttcatc tttcaaaaga ctttgactaa aaatgcttta aaaaagca 178

<210> 608
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 608
 cctgtctttg aatggatgaa atagggttaat aaagaacatc actgttttaa aactagaaca 60
 ctgaaaaatt ctaggaaagc ttattttccc ttatatTTTT atggtacttt caacacttaa 120
 taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcctttct 180
 gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt 240
 caacggctgt catagtgatt aacccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
 cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
 atgatgacag tcattttata tcaccttcaa ttaccaaca gcttttaata gtctgg 416

<210> 609
 <211> 648
 <212> DNA
 <213> Homo sapiens

<400> 609
 ctgatctctc agcagaaaact cttcaaacca gaagagagtg ggggcccaata ttcaacattc 60
 ttaaagaaaa taattttcaa cccagaattt catatccagc caaactaacc ttcacaagtg 120
 aaggagaaat aaaatccttt acagacaagc aaatgctgag agattttatc accaccaggc 180
 ctaccctaaa agagttcctg aaggaagcac taaacatgga aaggaacaac cagtaccatc 240
 gaggctagga agaaaccgca tcaactaagg agcaaaaata ccagctaaca tcataatgac 300
 aggatcagat tcacacataa cgatattaac tttaaatgta aatggactaa atgctccaat 360
 taaaagacac agactggcaa attggataaa gagtcaagac ccatcagggg gctgtattca 420
 ggaaacccat ctcaccgtgc agagacacac ataggctcaa aataaagggc tggaggaaga 480
 tctaccaagc aaatggaaaa caaaaaaagg caggggttgc aatcctagtc tctgataaaa 540
 cagactttta accaacaag atcagaagag acaaagaagg ccattacata atggtaaagg 600
 gatcaattca acaagaagag ctaactatcc taaatatata ttgcaccc 648

<210> 610
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 610

```

ccagctcttc tctgtcacat tcctatcttct gacttctgcc tggctttcag tttctgcccc 60
accttggcct tttcccagct tgaacctaat agaactccag agtttggggg gagggcccagc 120
cctttgtttt ctgctcttga agcatattca cacataaaaa gttgtattct cttacacaaa 180
ctgttttgag gctcttaccg tagtcgaagg tatcttagat cttccttagt gatctcatta 240
agaatatccg aaagtgtata accctcttca acaatctgaa acaaagatca gatccttaag 300
agctgagcag                                     310

```

```

<210> 611
<211> 254
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 39
<223> n = A,T,C or G

```

```

<400> 611
ctgtttttac atctaaagca atagactaga actgaattnt cttctacata gtaaaatcac 60
aattgtggaa ttacaggaat tctgggtgata ttaaggtgaa acaacaaaac acaaaaggcc 120
ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaaa 180
tgcttctcca ccaaataagg cttttttccc ctatttaagg agccagatgg attgaaagat 240
gtggaaatag gcag                                     254

```

```

<210> 612
<211> 225
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 40
<223> n = A,T,C or G

```

```

<400> 612
ctgactatat catgtcacca tcatagccaa tacaacattn ttgccatact tcctaaaaac 60
cttttcgcat aactgatca tgctacttat cagcactttc taacatcctg accaaacaga 120
cacccacacc tcttatagag tacactgtga gagaataaca tggacttgat atggcatcac 180
acttgtttta aagcaaaaaa aaaagaaaaa gaaaagaaaa aaaaaa 225

```

```

<210> 613
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 226, 236, 243, 281, 324, 365, 370, 373, 376, 383, 400, 412,
429, 431, 458
<223> n = A,T,C or G

```

```

<400> 613
ccatcagact tcttgggtgc ctggctatat tcaatgtgaa gtaaaaaata tcccaagtct 60
tacaccaaaa tagaggctct gacttagaag tatgctttta gctttctttt taaataagac 120

```


attctggaag aaaaaaaaaag aaaaaggaaa gaaaatcaag tttgaaacac agttaacact 180
 tatttttgga agaaagcaac caaatctaa aaagcataaa ctatgngtcc aaatgnaaaa 240
 ggnattacag aacaaactgc aagaggggaa aattaaagcc nactgaacg aaaaaataca 300
 gtatgtctaa catttttgaa ttgnaattta aaccctaagg gcaaaagctg aaaaatcatg 360
 cttanacctn ggncgngacc acnctaaggg cgaattccan cacactggcg gncgttacta 420
 gtggatccna nctcgttacc aagcttggcg taatcctngg catagctgtt t 471

<210> 614
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 614
 gttatTTTTT agaatggctc tcccatcttg agtatgtgtg atgtttcctc atgtatgaat 60
 gaagcatata catctttgtc agaagtatcc cagaagcaat tctgtactct cctcattatg 120
 ttctattggg tgggccatgg tttttgattt gtctcattac tgatgatggg tacttttatt 180
 atttgataaa ggttgatat aacttatcta ttatggcata atacattagc taaaaccttg 240
 gcggtgtaaa acagcagata cttacgtttc tcataggaat ggctctattg agtacctctg 300
 tctcaaggct tctcaagagt ttgtagctac cttgttggct ggggttgagg tctgacctaa 360
 aggcttagtt aggggggtgt agaaatcttc catatgttct ttgctacgtg gacctcacag 420
 g 421

<210> 615
 <211> 242
 <212> DNA
 <213> Homo sapiens

<400> 615
 cctcctatTT attctagcca cctctagcct agccgtttac tcaatcctct gatcaggatg 60
 agcatcaaac tcaaactacg cctgatcgg cgcactgcga gcagtagccc aaacaatctc 120
 atatgaagtc accctagcca tcattctact atcaacatta ctaataagtg gctcctttaa 180
 cctctccacc cttatcacaa cacaagaaca cctctgatta ctctgccc catgaccctt 240
 gg 242

<210> 616
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 79, 91, 105, 110, 128, 141, 149, 163, 172, 178, 193, 206,
 215, 264, 270, 276, 284, 297, 305, 315, 335, 342, 350, 351,
 359, 373, 392
 <223> n = A,T,C or G

<400> 616
 cctaatttgt agattgtgaa agcagctttt agtttaactt atttacagac cccttataat 60
 taccatgttt tttttttnt tcctaaatct nttgggtcag cttgngaatt ttacgtgccc 120
 gtaaagtngg gatgttgaat nggccctnt ttgttctggc agngagtcaa gngtccanca 180
 ttttttcata agngtttttt aaaatngttc tccancattt tatggctcct ccctcccatg 240
 tcctcaaacc cagcaaaagc gtanaggcan aattanagga ccnccccggg cggccgntaa 300
 gggcnaattc cagcncactg gcggccgtta ctagnngatc cnagctcggn nccaagctng 360
 gcgtaatcat ggncatagct gtttcctgtg an 392

<210> 617
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 617
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactac cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
 ttgtcgctc tacctataaa tcttccact atttt 215

<210> 618
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 8
 <223> n = A,T,C or G

<400> 618
 cttttgtntg cctgttttgt ggactggctg gctctgtag aactctgtcc aaaaagtgca 60
 tggaatataa cttgtaaagc ttcccacaat tgacaatata tatgcatgtg tttaaaccac 120
 atccagaaag cttaaacaat agagctgcat aatagtattt attaaagaat cacaactgta 180
 aacatgagaa taacttaagg attctagttt agttttttgt aattgcaaat tatatttttg 240
 ctgctgatat attagaataa tttttaaatg tcatcttgaa atagaaatat gtattttaag 300
 cactcacgca aaggtaaagt aacacgtttt aaatgtgtgt gttgctaatt ttttccataa 360
 gaattgtaaa cattgaactg aacaaattac ccataatgga tttgggttaat gacttatgag 420
 caagctgggt tgg 433

<210> 619
 <211> 259
 <212> DNA
 <213> Homo sapiens

<400> 619
 ctgcagtgtc cttttttata tcatgctagt gttgagacat acttgactaa cttgggaaca 60
 gttcgatata ttgacaaccg tcaacttaag aaaatcaaca gcttttggcc ccagcgtcca 120
 agtgaacttt tcatggagtg cagaatctca aatggacaaa atactttgtc tttttaaata 180
 ctgaaaattt aattattagt actatgactg aaagattctt catggctaaa aagctctgca 240
 tcaaactcaa ttcaggagg 259

<210> 620
 <211> 393
 <212> DNA
 <213> Homo sapiens

<400> 620
 ccaccaaagc cacacggaga ttctgtcagg cgctgagaca ccacagcctt ttcaatctta 60
 gggaaagaaa tcaagtcata taaattaata tcaacaggta aggtcattga gcaattgtct 120
 ttcaactgtc taagacttta tcaacttaaga tcataaacac agaagcaggt cataaaaata 180
 gcttttctta aggttttagga gaattttagt gggcacttac ttgataatct gaattttcta 240

```

gtcagaagtt taaataccac cttttaaaaa cataaaattht aatttgtaac aagttattaa 300
caaagcagta ttgtcgaaag ttttaagctt tctcccaata atttaattac attaatataa 360
tttttaccat tctaattggt acaaagtaac cag 393

```

```

<210> 621
<211> 563
<212> DNA
<213> Homo sapiens

```

```

<400> 621
ctgacaatga taaaattatc tctatatggg caaacgcgtg ctctttgtcg aagaagaaag 60
cttcagcttc atgttccagg tgagttaatt aggcaatgta tgaatgctaa tatctctttc 120
acataattttg cttaagatct gtcttaggac tctcgtctgg cccatatggt tttccaaggg 180
cagaagggcc tctttttgat gagaggcagt tttcagtaac tcttaaagtg ataacagcaa 240
aggagaggag agagaagagt aagacaaatc gaaacattct tcaattgctt cttggccttt 300
tggttaagct caagctcaaa acaggctctc aaggagaaaa tacatcacia agaaaaggat 360
gtttttatttc ttaccttgct ctagaaaaat ttccataaac tctattgggt taattctgta 420
aacttgacca atatcagagt gcttcctacc aaggagggtg gctgatgagc gtgaccatgg 480
tacatcctag aagaatgtgt gatgaagaag ctttcaccgt gtaaaagagt tgaaaattat 540
tcaaggagac attatggtct tgg 563

```

```

<210> 622
<211> 505
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 194, 436, 484
<223> n = A,T,C or G

```

```

<400> 622
tcttaagtgt gtttaataga taaagtaaac tttcctagtc aagggttaga tttttattat 60
ctcttggtgt cgcactttct acttttcaac tttgaacttc aaaaaaacat tactttgctt 120
atcctttgta ctttgatcag gttgtttaga attgtagatc aaaccattct ttgatcattt 180
tattgtttta atgnntagtt ccatttataa tttttatagc caactctcgg ttatttctgt 240
cttttgagat tgcaattcag aagctgtatg tcgaagtaat ttatgagttg acttttatac 300
ttaggcttct ttaaatacta atagtcaaga attctagagc atctaataaa aaattaactt 360
tcagatcatt gggaatctgt cctcatttta atatgtgtaa atgcatttcc acagcaaatt 420
gcttcatgcc ctttgnctat aaggaaatta ttccttgtag ctaatacatt tttcattttg 480
cagnccaaatt cttttttgag aaagg 505

```

```

<210> 623
<211> 489
<212> DNA
<213> Homo sapiens

```

```

<400> 623
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc ttgggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360

```

tggttataat ttttcatctt tcccttgcggt tactatatct attgcgcccag gtttcaattt 420
 ctatcgctat actttatttg ggtaaattgg ttggctaagg ttgtctggta gtaagggtga 480
 gtgggtttg 489

<210> 624
 <211> 233
 <212> DNA
 <213> Homo sapiens

<400> 624
 gttggggaac agctaaatag gttgttggtt atttggttaa aaaatagtag ggggatgatg 60
 ctaataatta ggctgtgggt ggttgtgttg attcaaatta tgtgtttttt ggagagtcac 120
 gtcagtggta gtaatatataat tgttgggacg attagtttta gcattggagt aggttttaggt 180
 tatgtacgta gtctaggcca tatgtgttgg agattgagac tagtagggct agg 233

<210> 625
 <211> 459
 <212> DNA
 <213> Homo sapiens

<400> 625
 ttcgagaaca tttttaataa ataatgtgac aaaattactt ttctgattat tggatttttca 60
 gtatgcaaaa ttatggctaa aaataagggg cttcttacat gaacataatg aaaacattaa 120
 tcacatggat tgttccctta gtactgcacg ctttttctat ggaacttttt caaattatct 180
 aaatgaacaa gtttgggttt ggtgaacacc agcctttttt tttgtgggtc agttttgttt 240
 ggctttgtct tccactgggg tcagacctga tacttatcta tctatgaata aatgtacatt 300
 tttttcttca aatagcacca attataaaat caatgatatt cataaaatga caaaaaagga 360
 tcatagaaat ctactagtca gagggcatca tttgtcaatt gaaagcaagt aatgcctcta 420
 ttagagattt taaggaaatc ttgtagggtt cgacattgg 459

<210> 626
 <211> 458
 <212> DNA
 <213> Homo sapiens

<400> 626
 cctgatgatt gttttaaaaca gtagaaaggg ttcagctaag aactacagtc cactctcagc 60
 cctgtcatgt actataggac aagtccttcat tcacaacaaa tggatagcaa caccaatctc 120
 gtaacactgg gaaaactgca tacaatatat agaaggaaca ctaatacagc agaatctgca 180
 cacaacggag tcaaagatct gaggccaaat cctactacac tttacgactt tgagttggtc 240
 acttttctga accttagctt ctccatcagt gtaaaactga tgtaaaataa tataaagcta 300
 tatgaaagct gatgtgattt acttgtgaaa tagtatgtgc aaaaggactt tgtaaaatgt 360
 aaagcactat gctgggttatt gtgatatctg agatattttt aaagttgcaa ttcaattcaa 420
 caagcattca tttagagtca tgtgcaaggc actgtgct 458

<210> 627
 <211> 393
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5, 6
 <223> n = A,T,C or G

<400> 627

```

ccatnngaac gcactcagga ggtgggtttgt tctggatgca gaaaccagag atctagtttc 60
tatccacaca gacgggaatg aacagctctc tgtgatgcgc tactcaatag atggtacctt 120
cctggctgta ggatctcatg acaactttat ttacctctat gtagtctctg aaaatggaag 180
aaaatatagc agatatggaa ggtgcactgg acattccagc tacatcacac accttgactg 240
gtccccagac aacaagtata taatgtctaa ctcggggagac tatgaaatat tgtactggga 300
cattccaaat ggctgcaaac taatcaggaa tcgatcggat tgtaaggaca tttgattgga 360
ccgacatata cctgtgggct aggacttcca gga 393

```

<210> 628

<211> 233

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 35, 36, 192

<223> n = A,T,C or G

<400> 628

```

ctggatttat aaaatagttg aatgacaaaa gaagnntggt ttgacagtaa aaaaaagaca 60
ttatggacaa aatatgcaaa atgtgcaaag aaaaaataaa tttgcattag aaagggtgggc 120
atttgatctc tgagccctgt gccatgtaac attgccatgt tctttcactg ttgtttgaat 180
gttgtacccc ancccttgac tctggactta aggcaagcta tgactggcctt tgg 233

```

<210> 629

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> 3, 11, 240

<223> n = A,T,C or G

<400> 629

```

ccnggacaat ntaggcagga gaaggaaata aagggtattc aattaggaaa agaggaagtc 60
aaattgtccc tgtttgcaga tgacatgatt gtatatctag aaaaccccat tgcctcagcc 120
caaaatctcc ttaagctgat aagcaactcc agcaaagtcg caggatacaa aatcaatgga 180
cacaaatcac aaacattctt atacaccaat aacagacaaa cagaggccaa atcacgagtn 240
gaactctatt ccaattgctt tcaagaaaat taaaatacct agggatccaa cttacaaggg 300
acatgaagga cctcttcaag gagaaactac aaaccactgc tcaatgaaat aaaagaggat 360
acaaagaaat ggaagaacat tccatgctca ttggtagctt gatggggatg gcattgaatc 420
tataaattac cttgggcagt atggacctca 450

```

<210> 630

<211> 486

<212> DNA

<213> Homo sapiens

<400> 630

```

cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120

```

```

aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctgggtttcg ggggtcttag ctttggtctt ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgcggt tactatatct attgcgccag gtttcaattt 420
ctatcgctta tactttatctt gggtaaattg tttggctaag gttgtctggt agtaagggtg 480
agtggg 486

```

```

<210> 631
<211> 211
<212> DNA
<213> Homo sapiens

```

```

<400> 631
tttacataaa tattatacta gcatttacca tctcacttct aggaatacta gtatatcgct 60
cacacctcat atcctcccta ctatgcctag aaggaataat actatcactg ttcattatag 120
ctactctcat aaccctcaac acccactccc tcttagccaa tattgtgcct attgccatac 180
tagtctttgc cgctgcgat gcagcggtag g 211

```

```

<210> 632
<211> 293
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 191, 262
<223> n = A,T,C or G

```

```

<400> 632
cagcgcaagt aggtctacaa gacgctactt cccctatcat agaagagctt atcacctttc 60
atgatcacgc cctcatagtc atttttcctt atctgcttcc tagtcttgta tgcccttttc 120
ctaactca caacaaaact aactaatact aacatctcag acgctcagga aatagaaacc 180
gtctgaacta ngctgccgc catcatccta gtcctcatcg cctcccatc cctacgcac 240
ctttacataa cagacgaggt cnacgatccc tcccttacca tcaaatcaat tgg 293

```

```

<210> 633
<211> 263
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 194
<223> n = A,T,C or G

```

```

<400> 633
nggtctgcag tgtccctttt tatatcatgc tagtggtgag acatacttga ctaacttggg 60
aacagttcga tatattgaca accgtcaact taagaaaatc aacagctttt ggccccagcg 120
tccaagtga cttttcatgg agtgcagaat ctcaaatgga caaaatactt tgtcttttta 180
aatactgaaa attnaattat tagtactatg actgaaagat tcttcatggc taaaaagctc 240
tgcacaaac tcaattcagg agg 263

```

```

<210> 634

```


<211> 491
 <212> DNA
 <213> Homo sapiens

<400> 634
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tgcaagggga ttttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
 ttgtcgccctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttctg ggggtcttag ctttggctct ccttgcaaag 300
 ttattttctag ttaattcatt atgcagaagg tatagggggt agtccttgct atattatgct 360
 tggttataat ttttcatctt tcccttgccg tactatatct attgcgccag gtttcaattt 420
 ctatcgccctc tactttattht gggtaaattg tttggctaag gttgtctggt agtaagggtg 480
 agtgggtttg g 491

<210> 635
 <211> 270
 <212> DNA
 <213> Homo sapiens

<400> 635
 ccaattgatt tgatggtaag ggaggggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggt 240
 ataagctctt ctatgatagg ggaagtagcg 270

<210> 636
 <211> 383
 <212> DNA
 <213> Homo sapiens

<400> 636
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
 ttgtcgccctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttctg ggggtcttag ctttggctct ccttgcaaag 300
 ttattttctag ttaattcatt atgcagaagg tatagggggt agtccttgct atattatgct 360
 tggttataat ttttcatctt tcc 383

<210> 637
 <211> 537
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 26, 516
 <223> n = A,T,C or G

<400> 637
 ttttaatcct ggggtatata ggcagnactt taaattgcaa agtccttccgg gcctattttc 60
 ctctacattt ttgtaattaa ctctgggggc ttacttgttt tggcagtact gaaatcaaag 120

```

gagctgggttc ttcttttctc ccaattatth tcatatgaaa gcacctacaa ttagcctggt 180
agtcctattc agatacatca aatatcagtg aatgctttac tattcgaca ttaagcatc 240
tttgtttttac ataaaattag agtatgaaaa ccagtgttca attttttata ttgttgagct 300
tgtaaaatgc cagcaattta aaactaggac ttttcccccc ataagccaag gaggtagaat 360
tactaataca agggttaaag aaggtagatt ttgttttcaa tatttgggta atattagaaa 420
gattcttccc acagggaaga actagcaagt gtcccaatth tttccaaacg ttggggaggg 480
gaaaattcac tgtatcatga aaccctaagg gtttgngtgc acttctgct ttttagg 537

```

<210> 638

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15

<223> n = A,T,C or G

<400> 638

```

ccagcagaac acagnagtga tttgggtccc tttgttcccc agtgggggtat ctatccttgt 60
gcagggcaca agcctacatg gtggctctgg tcatatcatt agaaaataga cagaaatggg 120
ctgcacacca gaatgaatga attgaattga aaggaggagg tgatggtgga aaaaaaaca 180
agtcaattca tttagactgg tagaaccaga accactgtgt agtacatcca aacgggttaaa 240
attccctgga agatgttaca taatcctatc atggtgttta tttatggaaa tctattttta 300
aaatthttatg taatactgca cagtctgttt gcatgatgcc ttgtacgtag tagcaactca 360
gtaaatactt tttgaatgaa ctagtatagt atthttaatta gctagtcttc gtgtactggt 420
acaaaagaac agtgtcatct tacag 445

```

<210> 639

<211> 584

<212> DNA

<213> Homo sapiens

<400> 639

```

gcttgagtat tctatagtgt cacctaaata gcttggcgta atcatgggtca tagctgtttc 60
ctgtgtgaaa ttgttatccg ctcaaatc cacacaacat acgagccgga agcataaagt 120
gtaaagcctg ggggtgcctaa tgagttagct aactcacatt aattgcgttg cgctcactgc 180
ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg 240
ggagaggcgg tttgcgtatt gggcgctctt ccgcttcttc gctcactgac tcgctgcgct 300
cggtcgttcg gctgcggcga gcggtatcag ctactcaaaa ggcggtaata cggttatcca 360
cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga 420
accgtaaaaa ggccgcgttg ctggcgthtt tccataggct ccgccccct gacgagcatc 480
acaaaaatcg acgtcaagt caagagggtg cgaaaccgga caggactata aagataccag 540
gcgtttcccc ctggaagctc cctcgtgcgc tctcctgttc cgac 584

```

<210> 640

<211> 404

<212> DNA

<213> Homo sapiens

<400> 640

```

ccataggaac gcactcaggc aggtggthtt ttctggatgc agaaaccaga gatctagtht 60
ctatccacac agacgggaat gaacagctct ctgtgatgcg ctactcaata gatggtacct 120
tcttggtgtg aggatctcat gacaacttta tttacctcta tgtagtctct gaaaatggaa 180

```

gaaaatatag gagatatgga aggtgcactg gacattccag ctacatcaca caccttgact 240
 ggtccccaga caacaagtat ataatgtcta actcgggaga ctatgaaata ttgtactggg 300
 acattccaaa tggctgcaaa ctaatcagga atcgatcgga ttgtaaggac attgattgga 360
 cgacatatat ctgtgtgcta ggatttcaag tatttggtgt ctgg 404

<210> 641
 <211> 138
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 127
 <223> n = A,T,C or G

<400> 641
 ctgtgacagg aacattacct gaagtgcagg gtgggttacct gcacaaagtc ccatttccaa 60
 aaatttctgt gtaattcacc agaaattttg gatggaataa ttagaaaaaa aaaaagaggt 120
 taaaacntgt aactcaaa 138

<210> 642
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 372
 <223> n = A,T,C or G

<400> 642
 ctgtaggtgg aatttttacc cagaaaagat aggccctaga agcctcattt cttttctcca 60
 tggaaaagga cagccctctg ctgcagcgtt caacttgtgt gtttactgac agagtgaact 120
 acagaaatag cttttcttcc taaaggggat tgttctacat tttgaagtta ttttttaata 180
 aaattgaatt atgttgtgta ttgtgcttcc taataggaaa tgcattattg gactgttttt 240
 gtaacatcct gtttattgca aatagctagt atcggttcaaa aactgtataa aatacttttg 300
 tacatattag caatgtctaa tttgtataca cttcagttaa atttccctaa aacttgaaag 360
 gggaccttgt anaaattaaa a 381

<210> 643
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 643
 ccttcctaaa aaatagtggg gagctggagg ctacttccgc cttcttagcg tctgggcaga 60
 gagctgatgg atatcccatt tgggtcccgc aagatgacat agatttgcaa aaagatgatg 120
 aggataccag agaggcattg gtcaaaaaat ttgggtgctca gaatgtagct cggaggattg 180
 aatttcgaaa gaaataattg gcaagataat gagaaaagaa aaaagtcatt gtaggtgagg 240
 tgggttaaaaa aaattgtgac caatgaactt tagagagttc ttgcattgga actggcactt 300
 attttctgac catcgctgct gttgctctgt gagtcctaga tttttgtagc caagcagagt 360
 tgtagagggg gataaaaaa aaagaaattg gatgtattta cag 403

<210> 644

<211> 688
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 653, 666
 <223> n = A,T,C or G

<400> 644
 cctattttatt tgttttggcc ctggatcttt cctaatacaca attatatattc tttattttttg 60
 cctttgagca gtttcattta tctttgtggg caggggaagat taaatatgaa attcagtcca 120
 gtcattttgc tactgggttag ctttagtttg aggcaagtaa aaatttttga ttaaaattag 180
 tttcttaaaa ttatgccctt gctttaccaa ataatacaat tggctaataa ataaggggtat 240
 gtaactttgc attttgaaga acaaaccaat aatttttcat gagccctact cgatcttctt 300
 taaagaagac cttcctaaga gacaattagg gatgagtttg attaattggga aatagctcta 360
 ggtagatta ttttaaattc catacaccaa gtgatttaac cacagtggca gtggcagctt 420
 ctgaaccgtc aagtatgaac atcacttaaa aattaaaaga tgcttaataa taaactctta 480
 attttcatta agccaatctg taattcagaa gaaaagcata tgtctgccat gggactattg 540
 cagtgcgtct ccatcagtggt taacacagga gagatatgtt attttatgtg tatgtcttag 600
 tttgggatat gtggtagtaa gaacatgtca agagtgcctt tcttcaaacc tgnacagctca 660
 actgangaaa gacaggtact tccattgc 688

<210> 645
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 460
 <223> n = A,T,C or G

<400> 645
 ccaaatgtgt ctccagccca cacttccagg tggcagagcg agctctctat tactggaata 60
 atgaatacat catgagttta atcagtgaca acgcagcgaa gattctgccc atcatgtttc 120
 cttccttgta ccgcaactca aagaccattt ggaacaagac aatacatggc ttgatataca 180
 acgccctgaa gctcttcatg gagatgaacc aaaagctatt tgatgactgt acacaacagt 240
 tcaaagcaga gaaactaaaa gagaagctaa aaatgaaaga acgggaagaa gcatgggtta 300
 aaatagaaaa tctagccaaa gccaatcccc aggtactaaa aaagagaata acatgaaaac 360
 gccaggggtt acttgaatgt ttttataaga taggaatata tgtcttcacc atgggggggg 420
 gtctcggatt tcactaacgt tgtatatgaa aatgggtgcn ataaaaagta cttttaaact 480
 ttgt 484

<210> 646
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 413
 <223> n = A,T,C or G

<400> 646

```

gggtcgcggtt gaacaacttg gttcaagatg gtggggggcat ttttagagcg gcaataattg 60
aaaaaaaaagg cgaactctgc cttggagagg tagatgataa gaaataaaaa ggtgtttata 120
actattttgt attataaagt gggccttaga gataggaaga agaatgatgg attccttttg 180
gatcaatcag aaaggaaaca cgaaagaaaa gtcaggaagg tagagagaga aaaagggagg 240
gaaggagaaa gaatgggaat aaaataagga ggtaagagat actatttttg ctgagcaacc 300
agtgtgtttc aggatgatac aaagaaaaat atagaataga aataagtgca ggcttggaat 360
cagctacaaa tcctaaagat ggggtgtgtg tggatgtgtg tgtgtgtgtg tgnacaccat 420
tgtgtgtttg taaaatgtgt atgtccc 447

```

<210> 647

<211> 388

<212> DNA

<213> Homo sapiens

<400> 647

```

gaagggtgata taaaatgact gtcattcattt ggagtgtgca gtacagttac ttcattgttcc 60
tcagggttag aacaatttcc cctgcaagtt ctcacacaga taggcagaaa tcataactaa 120
ttttggttaa tcactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg 180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct 240
aggagaaaaac ttaattgaaa tagtggttatt aagtgttgaa agtaccataa aaatataagg 300
gaaaataagc tttcctagaa tttttcagtg ttctagtttt taaacagtga tgttttttat 360
taacctattt catccattca aagacagg 388

```

<210> 648

<211> 632

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 24, 33, 483, 539, 626, 629, 630

<223> n = A,T,C or G

<400> 648

```

cctggctggg cntttgacct gcgnttttaa atnactcaca gaggggtggga caggaggaag 60
agtgaaggaa aaggtcaaac ctgttttaag ggcaacctgc ctttggtctg aattggtctt 120
aagaacatta ccagctccag gtttaaattg ttcagtttca tgcagttcca atagctgatc 180
attgttgaga tgaggacaaa atcctttgtc ctcactagtt tgctttacat ttttgaaaag 240
tattatTTTT gtccaagtgc ttatcaacta aaccttgtgt taggtaagaa tggaatttat 300
taagtgaatc agtgtgacct ttcttgtcat aagattatct taaagctgaa gccaaaatat 360
gcttcaaaag aagaggactt tattgttcat tgtagttcat acattcaaag catctgaact 420
gtagtttcta tagcaagcca attacatcca taagtggaga aggaaataga tagatgtcaa 480
agnatgattg gtggagggag caagggtgaa gataatctgg gggtgaaatt ttctagttnt 540
cattccgtac attttttagtt agacatcaga tttgaaatat taatgttacc tcctcaatgg 600
ggtggtatca gacctgcccg ggcggnncgnn tc 632

```

<210> 649

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 15
 <223> n = A,T,C or G

<400> 649
 nggtgaagat agaanaaata taagcgaaat tggataaaat agcactgaaa aaatgaggaa 60
 attattggta accaatttat tttaaaagcc catcaattta atttctgggtg gtgcagaagt 120
 tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa tttagaagaa 180
 tacttgaagc tagaagggga agttgggttaa aaatcacatc aaaaagctac taaaaggact 240
 ggtgtaattt aaaaaaaact aaggcagaag gctttggaag agttagaaga atttggaagg 300

<210> 650
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 4, 8, 26, 255
 <223> n = A,T,C or G

<400> 650
 ngtnctgnta aacagaaggg tacaangccc ttctggcttt aagcagtcac aggaatgtga 60
 cagacattcc tcttagggag cgcctcctcc tagggtttcc tcatctgtct cacactgagt 120
 ggatgtaatg ctattttaat cctgctgtgg cccccaatac tagtacttgt ccataccttc 180
 ttgcattttt agcgtctgct ctgtgggggtt gttaggccct ggcactccca ggaactagt 240
 ctaaagctgc atctntctct cccctctagg gatcgataaa gtttcactgc agaaagtctc 300
 cactgcggta tgctgacatc tgccctgaac cttcacccta cagcattaca ggctttaatc 360
 agattctgct ggaaagacac aggtgatcc acgtgacctc ttctgccttc actgggctgg 420
 ggtgatcctt ggtgcctttg tttccacaag gccttttctt gccccctgcc ttgccaaaga 480
 catttaatca gcacacag 498

<210> 651
 <211> 654
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 149, 268, 375, 508, 578, 595, 615
 <223> n = A,T,C or G

<400> 651
 ctgagggtcc ccaggtttct aaagctctca ggacgagaaa gtaggtccca agataaggag 60
 cctaaagggc ttttttcttt ctgtgtattc cttcttggcc tccaacatgg gtacagtcac 120
 aagagcatgt aacagagaag aaggactana cctaccattt tctggataaa gaattggaaa 180
 gaggatccac aggtaaccaa aaagtaccag ggaaatggca gagaaggaaa acctcaggag 240
 accaacctca taagtggat ttattagnnc ctgggctcaa atccaaattg tacatgaata 300
 tgtctgggtcc tagatagggg accgaagact ttgaaagtga attttggtat atcattgccc 360
 agattccaga ctggntattg tgtgacacaa catacaggat atatctgaat agtgctcaga 420
 agagtgtgaa aatgcaaag atattaaaa aaagatgaaa aagagaaagc tggtcagaac 480
 ttgtggacat aacccttctg gatctgtngc ctgattaaaa aatagttgat attctcgaat 540
 gaattaaaac aagatttaga gactgagcat ggtagctnat tcttgtaatc caacnctttg 600
 ggagggcaag gcaanagaat tgcttgcggc caggagtttt gagaccagct tggg 654

<210> 652
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 193
 <223> n = A,T,C or G

<400> 652
 ngctctgttgc actgaggtga ctaaggatac attttgagga agtagctcca agaacatttc 60
 cattttcact gtgccttcac atacatctaa tggaaatgaa cagcaccctt catccatcca 120
 cggaagcgat taagaaaagg gtgggatgga aaaattaacc caacaatatt agatcaatac 180
 gtagtattta agngtccata atgtgccagg ctgaagatgc acgggaaaac cacactagcc 240
 ggtctgtcaa gggcttgaga ataccataaa caagaaaaca gacgaaccaa ttt 293

<210> 653
 <211> 294
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 653
 ngtcaccac tgcagcccta catacagttg aaaaaaaatt ccattctgtt aacatttggt 60
 ttataagttt tcacgcaata cacaaaaaac ccctctgcac ttcttgtaaa gaacaaaaaa 120
 gatacacaac agttaagcgt aaagatcaca ggcaatagca ttcaaactg gatgtgggta 180
 gagaaaggag tacctggcat gagtacctgc ttagtttgac tgaatccttg atttttaatt 240
 tggcttttca tgggcccgtc acaacaccaa cgctgtgtga ggtatggtag tcag 294

<210> 654
 <211> 250
 <212> DNA
 <213> Homo sapiens

<400> 654
 ctgtcccttga acaagtatca atgtgtttat gaaaggaaga tctaaatcag acaggagttg 60
 gtctacatag tagtaatcca ttgttggaat ggaacccttg ctatagtagt gacaaagtga 120
 aaggaaattt aggaggcata ggccatttca ggcagcataa gtaatctcct gtcctttggc 180
 agaagctcct ttagattggg atagattcca aataaagaat ctagaaatag gagaagattt 240
 aattatgagg 250

<210> 655
 <211> 494
 <212> DNA
 <213> Homo sapiens

<400> 655
 ccattataat ttataaacac cattaccctt taaattctac cgattataag cagcgtaaaa 60

```

gtaactatat aaagcaaaca tcgcaaagga actctgcagg agctcttaat tcctttatgt 120
agctatcata aaattcactt tcctgaagac atttactctc attcacttcc aaactccaaa 180
cctttttctg gtagcaccac ttttggtttt aatagaaaga tgagttcata tctgtacatc 240
tctccaaagc tctaaggaat gagaaaagga tcctagtata ttgaaattac tgatgtttta 300
tacctctgcc ttttcactaa aagccattta atatttttaa agtcaaaaact tgacatacag 360
gtatttataa ggaatctcca tgactctgaa ggaatgaaat tgatgtaggt agctttggct 420
atgtaaagac atagtagagg acaattactt aaagaagagt tttcttttga ggatttgtag 480
attgactaa gcag 494

```

<210> 656

<211> 477

<212> DNA

<213> Homo sapiens

<400> 656

```

cgcggttactg tacatattgc tagcaggaga caactggaaa tactaaacaa atactggaat 60
tcacattaca gacagacgaa accaacaatgg atgccacaca taacttcctt tgtagtttca 120
cagagggcct atttgtgggt gctcagggtg ggtcatacat tgcttgacaga aatggcctga 180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg 240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac 300
agagaatcac tctcaaattt aaccacaagat aagcaatagg atttgggggt gacttgtaca 360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta 420
tagtttgagt gtagggattc agtaatcaaa gggtgttatt gcaaaagagc caggcag 477

```

<210> 657

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13

<223> n = A,T,C or G

<400> 657

```

cctctacctg tanatcacta tttttctaaa gacaatttgg tgttttgaag ataaatgtca 60
ttagtctatg ataatagcat cataggacaa ttagecattt tagacttgac catattttct 120
cttttttagca tatagccatc ttgatattta ggtgggagac tactccaatg gagcaacagt 180
ttcatttttac atgattggat ttagaaattt acaaatttta aactcataag aattctaaat 240
aatttgaaaa tggaaacatt tgaccacag tctagcagca taaatacatt tataaaatac 300
ttcattgttg atcttaggtc attgatttaa aacagaattt ggtgactatg ggcagggtga 360
ggggggccagt gaggaaggta taaaagagaa atctttatga attgtgttca gattgatttt 420
gtataaacat aatataattca tgggtgtatc tcttatttat aatacccaac taacatgaag 480
gtggtccaag ggaaggatca atatttttaa taacatattt gcttaaaata tcatacagtg 540
gctgcttcat aaaaaatctt ataaactttt attacc 576

```

<210> 658

<211> 344

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14

<223> n = A,T,C or G

<400> 658

```
cctgaaaaga aagntgctct tatggactct tgcattgttaa gactatgtct tcacatcatg 60
gtgcaaatca catgtaccca atgactccgg ctttgacaca acaccttacc atcatcatgc 120
catgatggct tccacaaagc attaaacctg gtaaccagag attactgggtg gctccagcgt 180
tgtagatgt tcatgaaatg tgaccacctc tcaatcacct ttgagggcta aagagtagca 240
catcaaaagg actccaaaat cccataccca actcttaaga gatttgtcct ggtacttcag 300
aaagaatttt catgagtgtt ctttaattggc tggaaaagca ccag 344
```

<210> 659

<211> 230

<212> DNA

<213> Homo sapiens

<400> 659

```
ctgctttccc tgctaaacag ttccagagca aaagcagcaa aaagaaaata tgggagggat 60
atgggcaacg tatactcgaa cgtacgcaga gaagagagta cggtagctc taatatattct 120
cattgaactt ggtgggtatgt gccttccctg catataaggc catagtgtt ttttgggagc 180
gctagaatat ccatccactt gacagtgtacc acaaaatagg ctgtttccag 230
```

<210> 660

<211> 80

<212> DNA

<213> Homo sapiens

<400> 660

```
ctggtccttg ttaaaactcga tcaccacttt ggagagatcg actggaggct cctgggtgtt 60
ctgagggggcc tgggggacag 80
```

<210> 661

<211> 535

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 411, 413, 416, 422, 439, 470, 471, 479, 490, 492, 496, 501, 511

<223> n = A,T,C or G

<400> 661

```
ctgaaccata tctgattaac tctttggtct ctgttattgg aacaaaaccg acgctatgcc 60
tgcagccgcc agactgcaac caaaaacaca gtttggggtc agaagacatt aaaaatcaca 120
ataaaatagg atgaatgttc taagtcacgc aactgaatca aggcacctt ttttttcaaa 180
agcaaaaagt tgtttaacaa tattccagaa tagtagatac ttcaaaaacc agattacagt 240
atatatcatt ttgctgcaca ttttagtcta ttttctgtat acatagtcac acattcttta 300
ccctctccca acttatacat gctttatccc ccagtcattg tgctatgtag gtataaaaaa 360
ataaagttgt atctaaacaa gtgatttaaa aaaaaaaact aacgaatgcc ncnatnataa 420
cnctgaactt gtttccctnt tgaaggacat tggaaatgtt accgaggttn ntttacctng 480
gccgcaaccn cnctangggc naattccagc nactgggggg ccgttactag gggat 535
```

<210> 662

<211> 257

<212> DNA
<213> Homo sapiens

<400> 662
cctgactaaa gcacatatca cactccctac acttccatgt tttctctccc atgtggaccc 60
tctgatgcat atcaagattc aagcgcctgt tgtagccctt cccacagtcc tcacatttgt 120
atggcttttc tacactgtga actttttctt gcactttaga gaatgaattc tgtacaatgt 180
tcttcccatg ctgctcacat ttgagagggtg tttctctgct gtggcgtctc tgatgggtca 240
gacgagttga ggaccag 257

<210> 663
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 36
<223> n = A,T,C or G

<400> 663
ccaattatag gtatttttatt ttttaaagat tagagngttc ttgaagctct ttctatttct 60
ttgtcaatga actaaacatt ggcaaatatg tagggtttcc cacataagaa cattattaac 120
atcaaaaatag aaagctggtg gtagaaataa tgattgggaa cacagagtct ctactcagcg 180
ttctacttct gccataccat aactttgtga tctcacgaaa tatctctcca tgttctcatc 240
cctatgtata gttctgtcat ttttcaataa gagctttttg cttaattatg aagtactagt 300
tactataacc attattttga gcttcatgta aatcaagaac acatggactc cacttgcaaa 360
acattgaaaa tgtagttagg gattgggggc aaaaagcaac attttaaaat gtgtaaagac 420
aatgagtaag caacaaagtg tccaattttt taggcgaaag ttgcatatgt caggaaaagg 480
caggattaag taatagagaa tttgaatgat aactgg 516

<210> 664
<211> 212
<212> DNA
<213> Homo sapiens

<400> 664
gtccgaggag gttagtgtgt gcaataaaaa tgattaagga tactagtata agagatcagg 60
ttcgtccttt agtgttgtgt atggctatca tttgttttga ggtaggtttg attagtcatt 120
gttgggtggt aattagtcgg ttgttgatga gatatttgga ggtggggatc aatagagggg 180
gaaatagaat gatcagtact gcggcgggta gg 212

<210> 665
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 11, 18, 24, 270, 271, 275, 277, 280, 281, 287, 291, 295,
298, 319, 325, 335, 337, 341, 344, 356, 360, 371, 375, 376,
388, 390, 401, 407
<223> n = A,T,C or G

<400> 665

```

atccaggggt ncccggtngc tgcngggaaa cctccagcct tgttcttcaa accactcagc 60
tcatgtgttt tgcgctgact agtactgaat aatacaacca ctcttattta atgttagtat 120
tatttatattg acaactcagt gtctaacagc ttgatatgca ggtccttgca tcctacattt 180
ctttaggaag ttacccattt gtaactttaa aaacaggaaa aatatcagtt ggcaaatgca 240
atcttttttt tttttaagct aaaggggggn naacngnaan naaaatnttt ntgangtngg 300
gtctataagc acccttgang ggatntgtta aaagngncat naanggggga ttctcntttt 360
gcaaaaaaat ntaannatca atttatanan ctttattttt nactttnt 408

```

<210> 666

<211> 635

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 7, 503, 540, 564, 577, 581, 616, 635

<223> n = A,T,C or G

<400> 666

```

ctgaagnaca agggtcaggc aaaaataaga tcacaatcac caatgaccag aatcgcttga 60
cacctgaaga aatcgaaagg atgggttaatg atgctgagaa gtttgctgag gaagacaaaa 120
agctcaagga gcgcattgat actagaaatg agttggaaag ctatgcctat tctctaaaga 180
atcagatttg agataaagaa aagctgggag gtaaaccttc ctctgaagat aaggagacca 240
tggaanaagc tgtagaagaa aagattgaat ggctggaaag ccaccaagat gctgacattg 300
aagacttcaa agctaagaag aaggaactgg aagaaattgt tcaaccaatt atcagcaaac 360
tctatggaag tgcaggccct cccccaactg gtgaagagga tacagcagaa aaagatgagt 420
tgtagacact gatctgctag tgctgtaata ttgtaaatac tggactcagg aacttttggt 480
aggaaaaaat tgaaagaact tancctctga atgtcattgg aatcttcacc tcacagtggg 540
gttgaaactg ctatagccta agcnggctgt ttactgnttt ncattagcag gtgctcacca 600
tgtctttggg gtgggngggg ggagaaagaa agaan 635

```

<210> 667

<211> 388

<212> DNA

<213> Homo sapiens

<400> 667

```

gaagggtgata taaaatgact gtcattcattt ggagtgtgca gtacagttac ttcattgttcc 60
tcagggttag aacaatttcc cctgtaagtt ctcacacaga taggcagaaa tcataactaa 120
ttttgggttaa tcaactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg 180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct 240
aggagaaaac ttaattgaaa tagtgttatt aagtgttgaa agtaccataa aaatataagg 300
gaaaataagc tttcctagaa tttttcagtg ttctagtttt taaacagtga tgttttttat 360
taacctattt catccattca aagacagg 388

```

<210> 668

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 417, 470, 484

<223> n = A,T,C or G

<400> 668

```

tgatcttaac aaaattcgta gcagtggaaac cttgaaatgc atgtggctag atttatgcta 60
aaatgattct cagtttagcat ttttagtaaca cttcaaaggt ttttttttgt ttgttttcta 120
gacttaataa aagcttagga ttaattagaa gaagcaatct agttaaatTTT cccatttgta 180
ttttattttc ttgaataactt ttttcatagt tattcgttta aaaagattta aaaatcattg 240
cactttgggtc agaaaaataa taaatatatc ttatgaatgt ttgattccct tccttgctat 300
ttttattcag tagattttttg tttggcatca tgttgaagca ccgaaagata aatgattttt 360
aaaaggctat agagtccaaa ggaatgttct tttacaccaa ttcttccttt aaaaatntct 420
gaggaatttg ttttcgcctt actttttttt cttctgtcac aatgctaagn ggtatccgag 480
gttnttaata tgagattt 498

```

<210> 669

<211> 622

<212> DNA

<213> Homo sapiens

<400> 669

```

ccttagccaa agaatgcagt ggagccttcc cccttcaact gcattgtgaa tgaataccaa 60
ttaacagcat aaaaattaat agtcccatat cagatctgga aggggtttct ggggctgtct 120
gatgtcccta tcctgttgta gtgaacacaa tagcagaaaa ttctttctgg gtccatctgc 180
tataaagtct tggtaaaaca gcattactat gaagaggatg aactcaccta ccttcagatg 240
gaggaaaagt gaaaaggact taggcttttag tcctccatga cttttcttaa gcactaccta 300
cctgtaataa gctgagtgca aaaggatgcc gaagaaaatc tgcaccaga agctgtaga 360
aagcactgca gagaacaggg tatgaagaaa ataaagagtt cttataaac ccttaagatt 420
ctttgttcaa ggtaaccttg ccaaaagggc agagtaggtg gcaaagagtt gcttttaatc 480
tagctctaca ctgcatttga aaataaaatt tgcccatTTT gaatatattg tttataatta 540
aatgtgcttt ttacactgca ggtcaatata aaaactgggt agtaaatttc cagcgagcat 600
ttatgttcat ttgctcacag ca 622

```

<210> 670

<211> 477

<212> DNA

<213> Homo sapiens

<400> 670

```

ttgggccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
cccttgccgc ccgggcaggt gatggatgag gagcaaaaac tttatacgga tgatgaagat 120
gatatctaca aggctaataa cattgcctat gaagatgtgg tcgggggaga agactggaac 180
ccagtagagg agaaaataga gagtcaaacc caggaagagg tgagagacag caaagagaat 240
atagaaaaaa atgaacaaat caacgatgag atgaaacgct cagggcagct tggcatccag 300
gaagaagatc ttcggaaaga gagtaaagac caactctcag atgatgtctc caaagtaatt 360
gcctatttga aaaggttagt aaatgctgca ggaagtggga ggttacagaa tgggcaaaat 420
ggggaaaggg ccaccaggct ttttgagaaa cctcttgatt ctcaagtctat ttatcag 477

```

<210> 671

<211> 127

<212> DNA

<213> Homo sapiens

<400> 671

```

gtgtgtgtgt ctacttgggc gtgtttaacg tgtgcgtttg tgtctgcgtg tgcattgtgtc 60
tgtgtgtgcg cgtgtatttc agtttggggt gccggatccc atatgattgc gtgcctgtgt 120

```


acctgag

127

<210> 672
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 672
 gggctctgcac agctatgtta acagcatcct tataaccagga gtaggaggaa agacacgact 60
 ggaaaagcaa ttcaagctgg tcacacagtg taatgcaaaa tatgtggaat gtttcagtgc 120
 tcagaaagag tgtaacaaag aaaagaacag aaactcttca gttgtgccat ctgagcgtgc 180
 tcgagtgggt cttgcaccat tgcctggaat gaaaggaaca gattacatta atgcttctta 240
 tatcatgggc tattatagga gcaatgaatt tattataact cagcatcctc tgccacatac 300
 tacgaaagat ttctggcgaa tgatttggga tcataacgca cagatcattg tcatgctgcc 360
 agacaaccag agcttggcag aagatgagtt tgtgtactgg 400

<210> 673
 <211> 600
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 528, 590, 600
 <223> n = A,T,C or G

<400> 673
 ctggcgttgc tcattagtga atgtatgaca gcaggatgtg aggggatgcc caggagtcag 60
 tgtagcatt gtcactctgag atcactgcta ttaatatcat ccattaattt attagtgagc 120
 ttcactatat gcagactggg agataaggag aaaatctgtc acattctctc tagctaataca 180
 gatcagctac caattaatga gattctgaat gaaatatcaa tatgtgtttt tctaatttgg 240
 acctaggaca gagctgttgc ttgtcataga gaaaaacaat aatgcttaaa catagcacat 300
 tataattaaa gcaggtttct cacatacttt tcattttatc ctttggataa ttttgtgagg 360
 aacgcaggac accaacttcc ctttcataga tacaatcccc atgctattga tgaaagtgtt 420
 tttgaatgaa gccatacaac aaataactga tcaaagtggc attacaccaa aatttcttag 480
 taggactcct gcatagaatg tttagataga cgtgaaaagt ttgttcanga ggaccagcaa 540
 gagagaaact gggttctttg ggagggtttc ggtgctacat ttataccctn catcagagtn 600

<210> 674
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 674
 ggtggtttgt gtaaagtgt gaggcaggag tccgaggagg ttagttgtgg caataaaaaat 60
 gattaaggat actagtataa gagatcaggt tcgtccttta gtgttggtga tggctatcat 120
 ttgttttgag gttagtttga 140

<210> 675
 <211> 245
 <212> DNA
 <213> Homo sapiens

```

<400> 675
gttgggtggt tgggtgtaa at gagtgaggca ggagtcgag gaggttagtt gtggcaataa 60
aatgattaa ggatactagt ataagagatc aggttcgtcc tttagtgttg tgtatggcta 120
tcatttgttt tgaggttagt ttgattagtc attgttgggt ggtaattagt cggttgttga 180
tgagatattt ggaggtgggg atcaatagag ggggaaatag aatgatcagt actgcggcgg 240
gtagg                                           245

```

```

<210> 676
<211> 621
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 21
<223> n = A,T,C or G

```

```

<400> 676
ctgtccccag ggnaaatagt ngaattcaac taagatctgt taataagatg tcagaataac 60
taataatttt attaggaaaa aatcatgttt taaatttcaa aatgacactt atttgtcaag 120
taatatgata ttggaaaatt ttaaagaaaa ataatcctac ttataaacta cttttttata 180
attgttttca gaaaaaaagt ttacagtctt aaggaaaata ttcagggtcta tcatatgggt 240
tgacagattt tttaaaagtt attttttggt aggtcttctt ttagaaaaaa attaacttca 300
agggtttttt gtaccactat aatctctaat acttactcag aattactgtg tatttactta 360
atttcttatt atgtgcctta ttatgtgctt aagatacaat aggttagagt ttaatctaaa 420
tatcttgaaa gctatattgt gggcttggtt agcattttgt tttttctttc tctgttttgg 480
taaggattta aaattttttt cattgcaatt ttaagtgggt ttcaataagt aatagttttt 540
atcaaatttt tgggtgcttg tgcagagacg gcgtggggaa ggggtgaatgg ttttggggat 600
aattcagtg c acacctgggg g                                           621

```

```

<210> 677
<211> 210
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 10
<223> n = A,T,C or G

```

```

<400> 677
tttacataa atattatcag catttaccat ctcaacttcta ggaatactag tatatcgctc 60
acacctcata tcctccctac tatgcctaga aggaataata ctatcactgt tcattatagc 120
tactctcata accctcaaca cccactccct cttagccaat attgtgccta ttgccatact 180
agtctttgcc gcctgcgaag cagcggtagg                                           210

```

```

<210> 678
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 86, 119, 120, 139, 140, 148, 162, 167, 175, 184, 222, 227,

```

263, 270, 282, 327, 379

<223> n = A,T,C or G

<400> 678

```

gtaggagtca ggtagttagg gttaacgagg gtggtaagga tggggggaat tagggaagtc 60
agggttaggg tggttatagt agtgtncatg gttattagga aaatgagtag atatttgann 120
aactgattaa tgtttgggnn tgagttnta tatcacagcc anaattntat gatgnaccat 180
gtancgaaca atgctacagg gatgaatatt atggagaagt antctanttt gaagcttagg 240
gagagctggg ttgtttgggt tngggctcan tgtcagttcc anataataac ttcttgggtc 300
aggcacatga atattgttgt ggggaanaga ctgataataa aggtggatgc gacaatggat 360
tttacataat gggggtatna gtt 383

```

<210> 679

<211> 371

<212> DNA

<213> Homo sapiens

<400> 679

```

aaaatgaaaa tattgacaag agtttcagat agaaaatgaa aaacaagcta agacaagtat 60
tggagaagta tagaagatag aaaaatataa agccaaaaat tggataaaat agcactgaaa 120
aaatgaggaa attattggta accaatttat tttaaaagcc catcaattta atttctggtg 180
gtgcagaagt tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa 240
tttagaagaa tacttgaagc tagaagggga agttgggttaa aaatcacatc aaaaagctac 300
taaaaggact ggtgtaattt aaaaaaaact aaggcagaag gcttttggaa gagttagaag 360
aatttggaag g 371

```

<210> 680

<211> 176

<212> DNA

<213> Homo sapiens

<400> 680

```

cctaggattg tgggggcaat gaatgaagcg aacagatttt cgttcatttt gggttctcagg 60
gtttgttata attttttatt tttatgggct ttgggtgagg aggtaagtgg tagtttgtgt 120
ttaatatatt tagttgggtg atgaggaata gtgtaaggag tatgggggta attatg 176

```

<210> 681

<211> 152

<212> DNA

<213> Homo sapiens

<400> 681

```

ctggagatgg atatgagact agtcaagatg tgaatgctaa ttggagagaa atataatttt 60
aggaagatgc acattgatgt ggggttttga tgtgtctgat tttgactact caagctctgt 120
ttacagaaga aaattgaatg gcgagggtgt gg 152

```

<210> 682

<211> 141

<212> DNA

<213> Homo sapiens

<400> 682

```

ccagtgcctt cttgccgtgg tttagtgtt ggggtgttag aataaaaaact caggtctatt 60
tcttaccagt cagtaacaat ttttagagaa tgtacttggt atataatata tggacttcag 120

```

gaactttgtt ggggtggggg g

141

<210> 683

<211> 308

<212> DNA

<213> Homo sapiens

<400> 683

ccagcaatgg	tacagagtga	gggtgttctg	ctaattgactt	cagagaagta	tttaagaaaa	60
acatagaaaa	acgtgtgctg	agtttgccag	aaatagatgg	cttgagcaaa	gagacagtgt	120
tgagctcatg	gatagccaaa	tatgatgcca	tttacagagg	tgaagaggac	ttgtgcaaac	180
agccaaatag	aatggcccta	agtgcagtgt	ctgaacttat	tctgagcaag	gaacaactct	240
atgaaatgtt	tcagcagatt	ctgggtatca	aaaaactaga	acaccagctc	ctttataatg	300
catgtcag						308

<210> 684

<211> 277

<212> DNA

<213> Homo sapiens

<400> 684

tggtattagg	attaggatgt	gtgaagtata	gtacggatga	gaaggttggg	gaacagctaa	60
ataggttgtt	gttgatttgg	ttaaaaaata	gtagggggat	gatgctaata	attaggctgt	120
gggtggttgt	gttgattcaa	attatgtgtt	ttttggagag	tcatgtcagt	ggtagtaata	180
taattgttgg	gacgattagt	tttagcattg	gagtaggttt	aggttatgta	cgtagtctag	240
gccatatgtg	ttggagattg	agactagtag	ggctagg			277

<210> 685

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10

<223> n = A,T,C or G

<400> 685

ctgtggcgtn	ccctacttct	cccaaaccct	gcaactccct	cccaggacag	tcagtgccaa	60
agaaacaggt	cgctgaaaac	taaaatgtcc	acatccctaa	ctggcaaccc	acatcaaccc	120
caaaagggtg	aagaatcatc	taagatattt	cagatgctct	atgaagaaat	tcactttaac	180
acttataact	gtaagacttt	gcatacatta	caacagtgca	ttagtgatac	aagttgtaaa	240
atacgtttcc	attccttttg	attttgcata	tgatggtttt	gcatcagtca	ctgcaggtag	300
attgagcaag	ctttttgtgt	ttgttttttt	aaacatgcat	tcaactagat	atgattcaga	360
atagattaat	actccctttt	tatcactaca	gttagctaaa	aaattgccag	gcagtccaca	420
aaacagaatt	tgctttaaga	ccaacccaca	gagtcag			457

<210> 686

<211> 234

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1
 <223> n = A,T,C or G

<400> 686
 ntggatttat aaaatagttg caatgacaaa agaagtatgt tttgacagta aaaaaaagac 60
 attatggaca aaatatgcaa aatgtgcaaa gaaaaaataa atttgcatta gaaaggtggg 120
 catttgatct ctgagccctg tgccatgtaa cattgccatg ttctttcact gttgtttgaa 180
 tgttgtaccc cagcccttga ctctggactt aaggcaagct atgactggct ttgg 234

<210> 687
 <211> 315
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 190
 <223> n = A,T,C or G

<400> 687
 nngtctgtga aaaactcttt ggatgattct gccaaaaagg tacttctgga aaaatacaaa 60
 tatgtggaga attttgggtct aattgatggc cgcctcacca tctgtacaat ctctgtttc 120
 tttgccatag tggctttgat ttgggattat atgcaccctt ttccagagtc caaacccgtt 180
 ttggctttgn gtgtcatatc ctattttgtg atgatgggga ttctgaccat ttatacctca 240
 tataaggaga agagcatctt tctcgtggcc cacaggaaag atcctacagg aatggatcct 300
 gatgatattt ggcag 315

<210> 688
 <211> 522
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 31, 32, 387
 <223> n = A,T,C or G

<400> 688
 ctgaattaga ggaggagaaa agaagccatt nnggagtact ttaattgttt agatgtgaga 60
 ggctgaatgt ttgggttaag atgttagttg tcagaatcat gagaaaaggt tttaagcaag 120
 gggcatttct aattctaaaa ataacaacta ctgttattta ttgagcacta tctttttgtt 180
 ggggtactgtc taaagtactt gatttatattt ttaaaacctt acaaaaaact tacaaggtag 240
 gtactgaaag attcagtaat ttgttcaaag tcacacagca aataagcaac agactctgga 300
 tttgaaccag gcaatcctag agcctgtact gttagtaatt atacttttagc acctgtcaag 360
 aattcctgtt gagtgtcaag aagcaancac caagttagga tttaaagcaa acatgattga 420
 agaatactgt ggtgtgggtg acagtagtgc ctaagtctgt ttccagagtg aaaaatgaca 480
 aattagattt taagtatggt ttggagataa tatcaggaca gt 522

<210> 689
 <211> 158
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> 11, 13, 15, 34, 51
 <223> n = A,T,C or G

<400> 689
 tctcaactta nttnatatacc cacacccacc caanaacagg gtttgtagg nattgtttgc 60
 attaataaat taaagctcca tagggctctt tcgtcttgct gtgtcatgcc cgcctcttca 120
 cgggcaggtc aatttcactg gttaaaagta agagacag 158

<210> 690
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 33, 261
 <223> n = A,T,C or G

<400> 690
 tagaactcgt atttttaaac ttctattctc tanccttttc cactacatta tgacacaaga 60
 ccctgcagaa agtcgtctgg aaaatatcag accatctctt acttgtccca tccaatctta 120
 catcgaatta tatgcaccct taaaaagtta tttggagttt taaaaaactc tattagccca 180
 aattacctga aataaactcc tggcttggtc ccctaagtgt tataaaaaat tgattgaaaa 240
 tattcatttt aaaaatgaag ntcttgaatt tatttaaat actgtcttgc agtgagttgg 300

<210> 691
 <211> 305
 <212> DNA
 <213> Homo sapiens

<400> 691
 ctgttcagaa agctcattgg acctgggttt gaaaataaaa caaagttaaa accctgggag 60
 gagttattgt gcagtgtgga gtactcaggc tttcttataa agaaaaaaa agttatctgg 120
 taccaaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat 180
 cacaaggctg ccaagtgcct gtttttctag aactaggagt tggtagggtt tggctagtgc 240
 tgaaaccatg cataggattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa 300
 gacag 305

<210> 692
 <211> 582
 <212> DNA
 <213> Homo sapiens

<400> 692
 caggaaatgg ataaccattt taactgtatt ttttgcagcc cgtaccttct tgggaataca 60
 attgtctaac tttttatttt tggctctggct gttgtggtgt gcaaaactcc gtacattgct 120
 attttgccac actgcaacac cttacagatg tggaagatgt gaaatttgct atcaattatg 180
 actaccctaa ctctcagag gattatattc atcgaattgg aagaactgct cgcagtacca 240
 aaacaggcac agcatacact ttctttacac ctaataacat aaagcagggtg agcgacctta 300
 tctctgtgct tcgtgaagct aatcaagcaa ttaatcccaa gttgcttcag ttggtcgaag 360
 acagagggtg aggtaaggat gactgatagg aaatgttggt agttacgagt cacatcggtg 420
 tctacaaatc catttaaatg gtattggagg gtgagtaaaa ccttgaatgt gaaaacttaa 480

gctgaaaaat tgtaaaaaca tttcacgcct accatgaata gatctgtttc tttctgtcca 540
 caatgatttg tgtcatagac ataattgatc aatttgcaat tg 582

<210> 693
 <211> 275
 <212> DNA
 <213> Homo sapiens

<400> 693
 ccaattgatt tgatggtaag ggaggggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
 agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
 atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
 gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaagggtg 240
 ataagctctt ctatgatagg ggaagtagcg tcttg 275

<210> 694
 <211> 397
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 694
 nggtctgcat ttttattgcg atctgcagat gaactggaaa atctcatttt acaacagaac 60
 tgagacagac gaccaccata ttcactgagg tctaaatttg cagtttccac taatgacatt 120
 ttgatttccc aacagagata cttctgggtct tactgcacag tcttttaaga gaaatacttc 180
 cattatgcca cattgtcctt gatccgtaag tgatgtgtta aggtgcttca aaggaactct 240
 gacctctgaa gtacttgagc tacttttagta tgtccagcct attgcttttt gttttagtgt 300
 gtcaccataa atatcagggg cataaaaaggc tatctattct taattcaagg ataaaacaga 360
 agaagcttgt ggtataaaaac aatagttcaa gatccag 397

<210> 695
 <211> 609
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 29, 96, 165, 236, 248, 312, 314, 334, 352, 359, 413, 414,
 472, 525, 547, 583, 609
 <223> n = A,T,C or G

<400> 695
 ctgagcttcc atttgtcagc tagcactgng gtagtcaacc atgcgaatga ggctattttg 60
 gacctcatga ttgtccagtg cctgggctga taccgnngga aacgaaattt tgtggctgcc 120
 cacaaaatca tggaataata tgatttttta gaaaacctcc actgntttgt tgtgcagcaa 180
 taaataactg aaacaccaat ccaaaaaact tataaagcta taacaattaa aacagnataa 240
 taatagtncc gggatacaaa aatgggtcaaa ttgaagagga taaaagcct caaagcagtc 300
 ctactcata ananccttgt tgtatcacta aaanggcatt aaaattgaga anaaggaana 360
 actagtggat taattaataa atgagaagta tccataagga aaaattaaaa ttnnattctt 420
 gcttcacatt atgaaaaaat acaacaaca gattgattaa agacttaaat gngatcaaca 480

aaatgttaaa actgtgataa gaacatttaa gaaaatagtt ctatnaccct gggataaaaac 540
 attttcntcc aaggcattaa agtggttaa atncatttat tcattagaat 600
 ttaaattcn 609

<210> 696
 <211> 300
 <212> DNA
 <213> Homo sapiens

<400> 696
 ctgcaaaaata agcgtgctaa attaaattgt cttaagggtt ttccacttca ttttgtgact 60
 ttgtgtgggt cgaatttctc agtattttta ccagtgtgtt gatgttaaag tcaaaggctg 120
 cagtatgtct atattcttgc tgtactcatt ggtagtttca gtatatgtaa tgtgagttta 180
 aatagtgaat ttgtatctca tattaacatt tcaaagtctc atattgaaaa tggaaaatag 240
 taaacacggg aattgatttt attctgggtg tctataatac ttcattttta atgtaaattg 300

<210> 697
 <211> 391
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 10, 16, 23, 315, 350
 <223> n = A,T,C or G

<400> 697
 nngtcatgtn tgatgnatct gancagggtg ctccacaggt agctctagga gggctggcaa 60
 cttagagggt gggagcagag aattctctta tccaacatca acatcttggt cagatttgaa 120
 ctcttcaatc tcttgactc aaagcttggt aagatagtta agcgtgcata agttaacttc 180
 caatttacat actctgctta gaatttgggg gaaaatttag aaatataatt gacaggatta 240
 ttggaaattt gttataatga atgaaacatt ttgtcatata agattcatat ttacttctta 300
 tacatttgat aaagnaaggc atgggtgtgg ttaatctggt ttatttttgn tccacaagtt 360
 aaataaatca taaaacttga acaaaaaaaaa a 391

<210> 698
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 508, 523
 <223> n = A,T,C or G

<400> 698
 ctgagcatac agcaataaaa ataacataat ttttatgtgt acaatattta tggaatacgt 60
 tactggaaca gataaataat ttagttaata acatgacaaa gaacagaaat tgtatacact 120
 atacagcata gtaatagaat aatgaatgat taaagtatt aatattaggt agaaaatgaa 180
 gggatatctt gagagcagaa ctcaaggaag caagcaattt gccttatgag gaaagagtta 240
 cctgtggata aaggagaaaac tgaaaaaattt acaagtcaag acttttttgag caaagacaaa 300
 aatatgacta tgagtcacca attcagtaca gtgaaaaaaa agttgaagag atatcttgga 360
 agtaaaccat gttgtggaag agcagggttt tgataatcat gggattattc tgaatgaatt 420

ttaaattgcga taggaatata tgagataatt tcaccagaga ataatatgat catgtttgca 480
 tttcaaaggg gtgtatctgg tgcactgngt agaataaata ggntatgtga gcaagt 536

<210> 699
 <211> 419
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 699
 ngtcacactg agggcaggtg acaaggacct gacagagccc atgcagggct ttagatttgg 60
 acacacaaga gttgataact tcctcatgaa ctccttgect gatctaaact catattatgg 120
 gttctgactg tttgagtaat catcttcaag gttaaacctc ttggcagtta cccttttcac 180
 aaagtgcaca gtgggaatcg agaatcgata gggttaattt tggagcagtg gcttatacca 240
 ttcacctctg tttttttgtg attatttcac agataatgag accttaataa caaataggcg 300
 taaaaaaatt ttcacattga aatgatagaa acatttgatg taataaaaact tggttggctt 360
 gatattttta ggaattgaaa cctagcaatc ttattggaga gacaagaatt ggtctccag 419

<210> 700
 <211> 336
 <212> DNA
 <213> Homo sapiens

<400> 700
 ccacttattg tccttaaaaa tccatactga tacatggaca gtaagtgtgt tttcagatgg 60
 agtaccagca ccgaaaatgg gttgagggag gatgggttgt atgtatgttt ctgcccacta 120
 attttgagca gccatattat gaattaaatc gtcacagcca agtaataacc caagaatggg 180
 atgagtttca tgtgtaatag ctcaaagtga ataagcatga atgctggagt ggaccattat 240
 cctcaaatat tctatgtcac ttctcattta aagactcttg ttatgaacta ttagaaactt 300
 taggcaaaat caaaagtatt tgcggcaaaa taaagg 336

<210> 701
 <211> 418
 <212> DNA
 <213> Homo sapiens

<400> 701
 ccatgtgatg atgttgacaa ccctgaaga gcctcagtc attgttccac gtttaagaac 60
 taggaatacc aggactgatg caattctact gggtcactat cgcttggtcac aagacacaga 120
 caatcagacc aaagtatttg ctgtaataac taagaaaaaa gaagaaaaac cacttgacta 180
 taaatacaga tattttcgtc gtgtccctgt acaagaagca gatcagagtt ttcattgtgg 240
 gctacagcta tgttccagtg gtcaccagag gttcaacaaa ctcatctgga tacatcattc 300
 ttgtcacatt acttacaat caactggatg gactgcagtc agtgcttttg agattgacaa 360
 gatgtacacc cccttggttct tcgccagagt aaggagctac acagctttct cagaaagg 418

<210> 702
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 104, 178, 184, 240
 <223> n = A,T,C or G

<400> 702
 gggcctgttg tgggggtggg ggaagcaggg aggggaacag ctaaataagg tgcgtgtgat 60
 ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgnnggtgg ttgtgttgat 120
 tcaaattatg tgttttttgg agagtcattg cagtggtaga aatataattg ttgggacnat 180
 tagnttttagc attggagtag gtttaggtta tgtacgtagt ctaggccata tgtgttggan 240
 attgagacta gtagggctag g 261

<210> 703
 <211> 261
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 40, 104, 178, 184, 220, 246
 <223> n = A,T,C or G

<400> 703
 gggcctgttg tgggggtggg ggaagcaggg aggggaacan ctaaataagg tgcgtgtgat 60
 ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgnnggtgg ttgtgttgat 120
 tcaaattatg tgttttttgg agagtcattg cagtggtagt aatataattg ttgggacnat 180
 tagnttttagc attggagtag gtttaggtta tgtacgtagn ctaggccata tgtgttggag 240
 attganacta gtagggctag g 261

<210> 704
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 4
 <223> n = A,T,C or G

<400> 704
 ngntntgaatt ctattaaaga tacaaagagg agctgggtacc atttcttctg aaactattac 60
 aaacaactga aaaggtggaa tttctcccta attcatttta ggaggccagc attatactga 120
 taccaaaacc tggcagaggt acaataataa aaggaaactt caagtcagta tcaactgatga 180
 acaccaatgt gaaaatcctc aataaaatac tggcaaactg aattcagcag cacatcaaaa 240
 agctaattcca ccacaatcaa gtcagcttca tccctgcatg gcaagtctgg ttcaacatat 300
 gcaaataaat aaatacaatt catcagataa acagagctaa agacaaaatt cacatgattt 360
 tctcaataga tgcagaaaag g 381

<210> 705
 <211> 477
 <212> DNA
 <213> Homo sapiens

<400> 705

```

ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac 60
ctttgcacgg ttaggggtacc gcggccgtta aacatgtgtc actgggcagg cgggtgcctct 120
aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga ttgcccaggt 180
tcctttttact ttttttaacc tttccttatg agcatgcctg tggtgggttg acagtgaggg 240
taataatgac ttgttggtga ttgtagatat tgggctgtta attgtcagtt cagtgtttta 300
atctgacgca ggcttatgcg gaggagaatg ttttcatgtt acttatacta acattagttc 360
ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat 420
tttttaggta gtgggtggtg agcttgaacg ctttcttaat tggtggctgc ttttagg 477

```

<210> 706

<211> 266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 100, 115, 157

<223> n = A,T,C or G

<400> 706

```

ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggg aggagtccga 60
ggagggttagt tgtggcaata aaaatgatta aggatactan tataagagat caggntcgtc 120
cttttagtggt gtgtatggct atcattttgtt ttgaggntag tttgattagt cattgttggg 180
tggttaattag tcggttggtg atgagatatt tggagggtgg gatcaataga gggggaaata 240
gaatgatcag tactgcggcg ggtagg 266

```

<210> 707

<211> 358

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 131

<223> n = A,T,C or G

<400> 707

```

ccatcagaga aatgcaaata aaaaccacaa tgagatacca tctcacacca gttagaatgg 60
caatcattaa aaagtcagga aacaacaggt gctggagagg atgtggagaa ataggaacac 120
ttttacaccg ntgggtgggac tgtaaactag ttcaaccatt gtggaagtca gtgtggcgat 180
tcctcaagga tctagaacta gaaataccat ttgacccagc cggccaatat tcaacattct 240
taaaggaaag aattttcaac ccagaatttc atatccagcc aaactaagct tcgttagtga 300
aggagaaata aaatacttta cagacaagca aatactgaga gattttgtca ccaccagg 358

```

<210> 708

<211> 491

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12, 479

<223> n = A,T,C or G

<400> 708

```

cctactatgg gngttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt tacaaggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagg tatcaccagg ctcggtaggt 180
ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctgggttctg ggggtcttag ctttggctct ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
tggttataat ttttcatctt tcccttgccg tactatatct attgcgccag gtttcaattt 420
ctatcgcta tactttattt gggtaaattg tttggctaag gttgtctggt agtaaggng 480
gagtgggttt g 491

```

<210> 709

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 1, 197, 216, 231, 313, 389, 411

<223> n = A,T,C or G

<400> 709

```

nggtttttt ttagagcaa ataatttatg caaatatgt taaaaatct gggatgctaa 60
atagttgaca caagtactgt gtttgacatt tagtttcatt tgaattagta atagaatttg 120
ctccttccaa catttacatc ttttttcttt ctgactttat atattttcaa taaaaatttg 180
ctccacagtt tttaagntca ttcttcttga atccgntttt acatttgctg ngacaaacct 240
gcataaaact agattttata gatataactt ctttgaaga gataaaaatt caaaagtttg 300
acattgcttt canttattct tttcttcatt gttttgattg gccctgtta gattgatgta 360
ttgccaatct acttttgatg gcatgaatnt aaaatgacaa cataaaaagc ncttctagt 420
caacagtaat tgaaacttgc agttttccat taaaaaaaaa 460

```

<210> 710

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 275, 507

<223> n = A,T,C or G

<400> 710

```

ctgttacagt gacaagagat aaaaagatag acctgcagaa aaaacaaact caaagaaatg 60
tgttcagatg taatgtaatt ggagtgaata actgtgggaa aagtggagtt cttcaggctc 120
ttcttggaag aaacttaatg aggcagaaga aaattcgtga agatcataga tctactatg 180
cgattaacac tgtttatgta tatggacaag agaaatactt gttgttgcat gatattctcag 240
aatcggaatt tctaactgaa gctgaaatca tttgngatgt tgtatgcctg gtatataatg 300
tcagcaatcc caaatccttt gaatactgtg ccaggatttt taagcaacac tttatggaca 360
gcagaatacc ttgcttaatc gtagctgcaa agtcagacct gcatgaagtt aaacaagaat 420
acagtatttc acctactgat ttctgcagga aacacaaaat gcctccacca caagccttca 480
cttgcaatac tgctgatgcc cccagtnagg atatctttgt taaattgaca acaatggacc 540
tg 542

```

<210> 711

<211> 394
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 184, 299
 <223> n = A,T,C or G

<400> 711
 caaacccact ccaccttact accagacaac cttagccaaa ccattttaccc aaataaagta 60
 taggcgatag aaattgaaac ctggcgcaat agatatagta ccgcaaggga aagatgaaaa 120
 attataacca agcataatat agcaaggact aacccttata ccttctgcat aatgaattaa 180
 ctanaaataa ctttgcaagg agagccaaag ctaagacccc cgaaaccaga cgagctacct 240
 aagaacagct aaaagagcac acccgtctat gtagcaaaat agtgggaaga tttataggna 300
 gaggcgacaa acctaccgag cctgggtgata gctgggtgtc caagatagaa tcttagttca 360
 acttttaatt tgcccacaga accctctaaa tccc 394

<210> 712
 <211> 552
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 11, 133, 329, 345, 421, 518
 <223> n = A,T,C or G

<400> 712
 gaggtctgta naatgccagg ctcaaatttg tctttataat ttaataaccag aaatctttcc 60
 cttgtgatgt ttctttcttt ctggattgcc tctatagcag gggatagcgg gggaggataa 120
 ggcacatctt tgntgtactg agaaatttga ccacgcagga tgatgtggct gttctcattc 180
 atctgcacag agaaaaataa tgataaaata tccctttcct atgtttactg attttatggc 240
 tgccataatg gaagcctcct tgactattta atcctttctg tcaactaggt tcgatttttt 300
 ttttaattta cctgttagag gtatttaana attttaacta gctanaaata attacattcc 360
 aaaggaacac caaggcaaat aaatgggttg taatcagcaa aagaattaca ttagttgttg 420
 ntgctactta ttagggggag aactgttttt ttttaaatTT aaacaattta ataactcaca 480
 ctgcaaataa ttttagatgc agcaaaggac tatgtagncg ttaatacctc atgttgatat 540
 tttcataata tt 552

<210> 713
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 133, 148, 188, 209, 246, 248, 263, 306, 316, 339, 371, 430, 469
 <223> n = A,T,C or G

<400> 713
 ccaaaaactg gaagcagctc actaaacaaa cagtggcata cccatagaac tgcatacttc 60
 tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaa 120

```

atgccacatg aanaaaccca aagggganaa acataaaaac tttatatgtc agtcatataa 180
aattctanaa aatgcaaact aatccatcnt aaaggaaagt aaatcaacag ttgtctggag 240
gaccananag agcaggagga ganagattat taaaggggtt aaagtaaatt tgggagtgcc 300
cttccntttt taaatnctat gaaaatgaaa gttaaaggcnc atgcatgttg taaactaata 360
gtaacaaaca naatgggttg gagtggggtg ttgtctgggg acatcattac aaaatgtaag 420
ccagtttatn taaattttga aaagaccgtg gactctgac tgactgatna atgttggaag 480
agataagtgt gctgcaaata ggggaattaa taaaacag 518

```

<210> 714

<211> 281

<212> DNA

<213> Homo sapiens

<400> 714

```

ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt 60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct 120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg 180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgac atgaaaggtg 240
ataagctctt ctatgatagg ggaagtagcg tctttagtag c 281

```

<210> 715

<211> 443

<212> DNA

<213> Homo sapiens

<400> 715

```

cttgaaatca gcaacacact tacaaatgag aaaatgaaaa tagaagagta tataaagaaa 60
gggaaagagg attatgaaga gagtcatcag agagctgtgg ctgcagaggt atccgtactt 120
gaaaactgga aggagagtga agtgtataag ctacagatca tggagtcaca agcagaagcc 180
tttctgaaga agctggggct gattagccgt gatcctgcag catatcccga catggagtct 240
gatatacggt catgggaatt gtttctttct aatgttataa aagaaattga gaaagcaaag 300
tctcagtttg aagaacaaat taaggcaatt aaaaatgggt cccggctcag tgaactttct 360
aaagtgcaga tttctgagct ttcatttctt gcctgtaaca cggttcatcc cgagttactc 420
cctgagtctt caggccacga tgg 443

```

<210> 716

<211> 639

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6, 516, 532, 553, 602, 617, 620

<223> n = A,T,C or G

<400> 716

```

ccaaanaaaa tgaagtacag agtctgcata gtaagcttac agataccttg gtatcaaaaac 60
aacagttgga gcaaagacta atgcagttaa tggaatcaga gcagaaaagg gtgaacaaag 120
aagagtctct acaaatgcag gttcaggata ttttgagca gaatgaggct ttgaaagctc 180
aaattcagca gttccattcc cagatagcag cccagacctc cgcttcagtt ctagcagaag 240
aattacataa agtgattgca gaaaaggata agcagataaa acagactgaa gattcttttag 300
caagtgaacg tgatcgttta acaagtaaag aagaggaact taaggatata cagaatatga 360
atttcttatt aaaagctgaa gtgcagaaat tacaggccct ggcaaatgag caggctgctg 420
ctgcacatga attggagaag atgcaacaaa gtgttttatgt taaagatgat aaaataagat 480

```

```

tgctggaaga gcaactacaa catgaaattt caaacnaaat ggaagaattt angattctaa 540
atgaccaaaa canagcatta aaatcagaag ttcagaagct gcagactcct gtttctgcac 600
angcctaata aggatgntgn ggaacaaatg gaaaaattg 639

```

```

<210> 717
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 2, 102, 148, 157, 187, 290
<223> n = A,T,C or G

```

```

<400> 717
nntgaggcta ctgctgtttt attacaacat tacctcttgt ttttataaag tgtaccaaga 60
tttaaattga taactttatt ttacttgaaa aaaaaaagtt tnttttatca ccagtgttac 120
agttgtcttc tgtttctttt tgttttgntt tatttgnttt ccttttttagc caaagagtga 180
acagaanatt ttcttatttt ggtggctatt cattttactt ttaaaagtga ttggtggatt 240
ttagactaat tatgggggaa ttggccacca aaataaaaaa tatgtaaagn gtagtgatta 300
cagagtgggt aaaatgtggg ttagtactta tttattccat taattgatta ttgactgtt 360
tataaagaaa gttgctttat ttcttttaac atcttcaaaa gatgatcctt tcttgtcaca 420
ttatagccaa aagaagcaga gaacttcact gtctgcattt ggttcctggt tgg 473

```

```

<210> 718
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<400> 718
ggtaaagtct agtataatat ttaccatctc acttctagga atactagtat atcgctcaca 60
cctcatatcc tccctactat gcctagaagg aataatacta tcaactgttca ttatagctac 120
tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
ctttgccgcc tgcgaagcag cggtagg 207

```

```

<210> 719
<211> 255
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 214
<223> n = A,T,C or G

```

```

<400> 719
cctatattac ggatcatttc tctactcaga aacctgaaac atcggcatta tcctcctgct 60
tgcaactata gcaacagcct tcataggcta tgtcctcccc tgaggccaaa tatcattctg 120
aggggccaca gtaattacaa acttactatc cgccatccca tacattggga cagacctagt 180
tcaatgaatc tgaggaggct actcagtaga cagncccacc ctcacacgat tctttacctt 240
tcacttcata ttgcc 255

```

```

<210> 720
<211> 455

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 154, 346, 349, 366, 444
<223> n = A,T,C or G

<400> 720
ccaatgtcga aacctacaag atttccttaa aatctctaata agaggcatta cttgctttca 60
attgacaaat gatgccctct gactagtaga tttctatgat ccttttttgt cattttatga 120
atatcattga ttttataatt ggtgctatatt gaanaaaaaa atgtacattt attcatagat 180
agataagtat caggtctgac cccagtggaa aacaaagcca aacaaaactg aaccacaaaa 240
aaaaaggctg gtgttcacca aaaccaaact tgttcattta gataatttga aaaagctcca 300
tagaaaaggc gtgcagtact aagggaacaa tccatgtgat taatgnttnc attatgttca 360
tgtaanaagc cccttatttt tagccataat tttgcatact gaaaatccaa taatcagaaa 420
agtaattttg ccacattatt tatnaaaaat gttec 455

<210> 721
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 134, 390
<223> n = A,T,C or G

<400> 721
ccagtgcctg ctgccgtggt ttagtgattg ggtgttagaa ataaaaactc aggtctattt 60
cttaccagtc agtaacaatt tttagagaat gtacttggtg tataatatat ggacttcagg 120
aactttattg gggngggggg ttaattttgc cttaccctgt tcactttcag atgattaggc 180
ttttgcactt tagaatgaga aacttgtgac gttagtgtgt tcttactagc ttttaatttgt 240
atgtagcaat gaattgtgaa tcttagtgca gtgggttttt ttaaaaaact caaaaagctg 300
ggaattaagt ggtttcagta ataattgctat accgaggtgc ttgcattgta tttcataatt 360
ttgttacaaa ccaaaattat ttttaattgan aacgggtctt gggttcagagg tgtgatgcca 420
gaatgtattt tcgtactgtt aggcccttgg aacagatacc ggtgctttct tgaaagatga 480
aagaaatgca atgggtgctc ttcattgcaag gttgcaaacc taccaagaat 530

<210> 722
<211> 242
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 29, 35, 55, 192
<223> n = A,T,C or G

<400> 722
ccaaggggtca tgatggcagg agtaatcana ggtgntcttg tgttgatgata agggngggaga 60
ggtttaaagga gccacttatt agtaatgttg atagtagaat gatggctagg gtgacttcat 120
atgagattgt ttgggctact gctcgcagtg cgccgatcag ggcgtagttt gagtttgatg 180
ctcatcctga tnagaggatt gagtaaacgg ctaggctaga ggtggctaga ataaatagga 240

gg

242

<210> 723
 <211> 472
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 191, 266, 460
 <223> n = A,T,C or G

<400> 723
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gccgttcctc ttgggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagg tatcaccagg ctcggtagggt 180
 ttgtcgctc nacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggnttcg ggggtcctag ctttggtctt ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct 360
 tggttataat ttttcatctt tcccttgctg tactatatct attgcgccag gtttcaattt 420
 ctatcgctta tactttattt gggtaaattg tttggctaan gttgtctggt ag 472

<210> 724
 <211> 292
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 26, 73, 177, 215, 256, 274, 276
 <223> n = A,T,C or G

<400> 724
 nccaccactg cagccctaca tacagntgaa aaaaaattcc attctgttaa catttggtttt 60
 ataagttttc acncaatata caaaaaaccc ctctgcactt cttgtaaaga acaaaaaaga 120
 tacacaacag ttaagcgtaa agatcacagg caatagcatt caaacatgga tgtgggnaga 180
 gaaaggagta cctggcatga gtacctgctt agttnngactg aatccttgat ttttaatttg 240
 gcttttcatg ggccgntcac aacaccaacg ctgngngagg tatggtagtc ag 292

<210> 725
 <211> 122
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35, 61, 86, 88, 91, 114
 <223> n = A,T,C or G

<400> 725
 atagaaaggg catacccaaa atgttactga aaatntaata caaattccaa gattcaccaa 60
 ngaagtaaca aaaacctggc ctgcangngg ncccctatcc cgtgggtcca tggntgatgt 120
 gg 122

<210> 726
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 266
 <223> n = A,T,C or G

<400> 726
 ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac 60
 ctttgcacgg ttaggggtacc gcggccgtta aacatgtgtc actgggcagg cggtgcctct 120
 aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt 180
 tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg 240
 taataatgac ttgttggtga ttgtanatat tgggctgtta attgtcagtt cagtgtttta 300
 atctgacgca ggcttatgcg gaggagaatg ttttcatgtt acttatacta acattagttc 360
 ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat 420
 tttttaggta gtgggtgttg agcttgaacg ctttcttaat tggcggctgc ttttagg 477

<210> 727
 <211> 416
 <212> DNA
 <213> Homo sapiens

<400> 727
 cctgtctttg aatggatgaa atagggttaat aaaaaacatc actgttttaa aactagaaca 60
 ctgaaaaatt ctaggaaagc ttattttccc ttatatTTTT atgggtacttt caacacttaa 120
 taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcttttct 180
 gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt 240
 caacggctgc catagtgatt aacccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
 cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
 atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg 416

<210> 728
 <211> 416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 411
 <223> n = A,T,C or G

<400> 728
 cctgtctttg aatggatgaa atagggttaat aaaaaacatc actgttttaa aactagaaca 60
 ctgaaaaatt ctaggaaagc ttattttccc ttatatTTTT atgggtacttt caacacttaa 120
 taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcttttct 180
 gtggatgcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaattctt 240
 caacggctgc catagtgatt aacccaaaatt agttatgatt tctgcctatc tgtgtgagaa 300
 cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa 360
 atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata ntctgg 416

<210> 729

<211> 564
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 399, 439, 463
 <223> n = A,T,C or G

<400> 729
 ctgtgagtag aggagtcttc ccgagagtag cagttgttga tccaaatgat tgaagccttc 60
 aggtaaggga ataactgctg caggaattct ttcttgaaga atttaagctg ttgggtaaga 120
 attctgtaac tacatacctt tgaaacacta ttcacattca aataaacgct tgttttctag 180
 ccaggcacag gctcaattag tttttcaaac tctagccaag gcagtatttc atttgggaaa 240
 tcatgcaaca gaactgctca attcttaact tctcctgctg ttaacattta cacttagact 300
 gccagcaaca gttaacttaa attttgggtct caagggaaca aaaaaaatt gcattcagaa 360
 tttaatatag tatttttaaaa ctaatttttag cctgtaagnc attatgagca atagtaactt 420
 ttatacctcc tcatcttgnc tgataatata ttctatatgc tgncaatctg attatatagt 480
 ctatatgcta gaagttgctg attttcattc tgccaccaa aaaaactgtc cttttttttt 540
 tatgggggaa aaagggaatt taaa 564

<210> 730
 <211> 310
 <212> DNA
 <213> Homo sapiens

<400> 730
 ccatttttat ttcttcttca gagaagtgtt tatttaggtc tggtgcccatt ttacaatta 60
 ggccatatgt ttcttctgctg ttgagttgta tgtgtgtttg tataaatttt gcatattaac 120
 cccttatcac acgtatgttt tttaaaataa attttgctta ttaatctttt atcagatgta 180
 tggtttccaa atatattctt ccgatccatg gattctcttt tttgttatga ttgtttcttt 240
 gctcttcgga agctttttgt tttgttttgt tatttgtttt actttgatat agtcccattt 300
 attgtttttg 310

<210> 731
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 260, 276, 334, 388, 392, 407
 <223> n = A,T,C or G

<400> 731
 ngacaacctt agccaaacca tttaccccaa taaagtatag gcgatagaaa ttgaaacctg 60
 gcgcaataga tatagtaccg caagggaag atgaaaaatt ataaccaagc ataataaagc 120
 aaggactaac ccctatacct tctgcataat gaattaacta gaaataactt tgcaaggaga 180
 gccaaagcta agacccccga aaccagacga gctacctaag aacagctaaa agagcacacc 240
 cgtctatgta gcaaaatagn gggaagattt ataggnagag gcgacaaacc taccgagcct 300
 ggtgatagct gggtgtccaa gatagaatct tagntcaact ttaaatttgc ccacagaacc 360
 ctctaaatcc ctttgtaa attaactgnta gnccaaagag gaacagntct ttggacacta 420
 ggaaaaaacc ttgtagagag agtaaaaaat ttaacaccca tagtagg 467

<210> 732
 <211> 492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 266, 343, 364, 483
 <223> n = A,T,C or G

<400> 732
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagctaaatt tacaagggga ttttagagggt tctgtgggca 120
 aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagggt 180
 ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggnttcg ggggtcttag ctttggctct ccttgcaaag 300
 ttatttctag ttaattcatt atgcagaagg tataggggtt agnccttgct atattatgct 360
 tggntataat ttttcatctt tcccttgctg tactatatct attgcgccag gtttcaattt 420
 ctatcgcta tactttattt gggtaaattg tttggctaag gttgtctggt agtgaggcgg 480
 agnggggttg gg 492

<210> 733
 <211> 562
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 169, 400, 430, 460, 497, 513, 523, 555
 <223> n = A,T,C or G

<400> 733
 ntgaaatggc aatagcattc actgtcgtat tttgcagtgc tcaggaagtg ggacgttaac 60
 tttgaagggtg cttgtttgta ttagctctgc taggtttacc tctacaacgt agatttcagc 120
 agctatgctg actgacacta cattctagtt cttaagattt tttttccana tcccccttc 180
 cccagctaga catacgtagc atactttcat cttattcagt ctttctgtaa cctgctgctg 240
 ctttttagtcc tctcacctc agatcggaat caatggagtg ggcccagagg atacatttta 300
 attccagtaa tggtaggtag atttgtcctg ctttctaaaa catctcctca tttcatattt 360
 ccactccata ttgattccat aagggaat taatgggtgn ttcctccttt agggaggcaa 420
 tgcaaagagn gtggacatct tctaattctg aggaacagtn gttgatttcc cttgaaggag 480
 cttacatatt gactgtnttt cacaataacc tgnttgcccc agntcaatcc ctcatattta 540
 tacttaatgt tggtnctggg ct 562

<210> 734
 <211> 265
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1
 <223> n = A,T,C or G

<400> 734

```

nggtccagaa caagagaaat aactgcagaa aacacatatg gttggaaacc atgcgcttgt 60
gactttttct gtagcctatg ggagtggaca gagtgggtaa cccaagatgt ttttaagact 120
gactggacta agaatggcgt acttatagcc aactacttcc cccctaagt gactgaagg 180
attcataatg atcacaatta gcattacggt taagtatttt aggggttgacg tctaagctca 240
cacttgaaag gtatttatct aatgg 265

```

```

<210> 735
<211> 216
<212> DNA
<213> Homo sapiens

```

```

<400> 735
atttaatacg tgctcactgc tcggcacgcg ctgaagctac agttaacaat cagtgaagcac 60
atattaaatg ataaaataat gctgatggta aacattcata acagcagagt aagatttttg 120
cagttttgtg tctcggtaac ataactgtaa ccttagatga acacctatcc cttcatgatc 180
tgactttaga ggcaaggagt ttgtaacatc taatgg 216

```

```

<210> 736
<211> 285
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 177
<223> n = A,T,C or G

```

```

<400> 736
ctgaaaggca acntggagac tagttagtct agtcccctca tattataaat tggatatgctg 60
aggccaggca gtaaattgct atggagctct ccaatttaag gccagtttga ctccaagggt 120
agggttcta gtaaaatttt gtgattaaat tggaaactct aattttatttt tctatgngtt 180
tttggtacct aatcctcata agcaagccat atttcaaggc tgatcaatga aaacaccaaa 240
taccaaagct tcctttccct tccaaattta ctgacccttt gtcag 285

```

```

<210> 737
<211> 509
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 4, 13, 303, 347, 419, 446, 473, 483, 489, 503
<223> n = A,T,C or G

```

```

<400> 737
agangaagaa gangaagatt aagggaaaag tacatcggtc aagaagagct caacaaaaca 60
aagcccatct ggaccagaaa tcccgacgat attactaatg aggagtacgg agaattctat 120
aagagcttga ccaatgactg ggaagatcac ttggcagtga agcatttttc agttgaagga 180
cagttggaat tcagagccct tctatttgtc ccacgacgtg ctctttttga tctgtttgaa 240
aacagaaaga aaaagaacaa catcaaattg tatgtacgca gagttttcat catggataac 300
tgngaggagc taatccctga atatctgaac ttcattagag gggtggnaga ctcgaggat 360
ctccctctaa acatatcccg tgagatgttg caacaaagca aaattttgaa agttatcang 420
aagaatttgg gtcaaaaaat gcttanaact ctttactgaa ctggcggaag atnaagagaa 480
ctncaagana ttctatgagc agntctctt 509

```

<210> 738
 <211> 97
 <212> DNA
 <213> Homo sapiens

<400> 738
 cagtgaattg aatacgactc ctatagggcg aattggggccc tctagatgca tgctcgagcg 60
 gccgccagtg tgatggatat ctgcagaatt cgccctt 97

<210> 739
 <211> 209
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4
 <223> n = A,T,C or G

<400> 739
 ccgncagtgt gatggatatc tgcagaattc gcccttagcg gcccgcccg gcagggtcct 60
 tatatatagt agcttagttt gaaaaaatgt gaaggacttt cgtaacggaa gtaattcaag 120
 atcaagagta attaccaact taatgttttt gcattggact ttgagttaag attatTTTTT 180
 aaatcctgag gactagcatt aattgacgg 209

<210> 740
 <211> 164
 <212> DNA
 <213> Homo sapiens

<400> 740
 ccaagctaatt ggggtgacact gtgaatgcaa ctctaatagca gcctggcgta aatgggtccta 60
 tgggcactaa ctttcaagtt aacacaaaca gaggaggtgg tgtgtgggaa tctggtgcag 120
 caaactccca gagtacatca tggggaagtg gaaatggcgc aaat 164

<210> 741
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 82, 438, 485, 497
 <223> n = A,T,C or G

<400> 741
 ccagtcagaa ttgagatgtg ctgtgagtgc aaaatacact caaatctaag acttagtatg 60
 gaagaaaaag aagataaggt gnttcattaa taatctttta tattgattac atgttgaaat 120
 gatattttta atatactggg ttacataaac tggtattaag attaattttg cttgtttcct 180
 ttttaatatg gctactagaa aattaaaaat tatgttgtgg ttcacattat atttctgttg 240
 aacaatgtgg acatagataa tctacagtca ttacattagc cttagaattt agcatcatac 300
 ttttaagcac tctggggtac taacttgaac tcccagaaac ccataagcac actctgcata 360
 taaattattg caaaattcat tcttatctct ctgaaagata tgcatttttaa gggtaaaaag 420

aattcacaaa atattgantic cttaacaaat gtcaattagt atatggagag agctaaagga 480
 cttcntgttag actggtncat tggggaaaaa caga 514

<210> 742
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 28, 123, 144, 347, 367
 <223> n = A,T,C or G

<400> 742
 gcaggtccta tgcatagtta ataagggnta taatctactc aacatggaaa atgggagcct 60
 atttgcaaac acacgagtaa ttaaagtacc aattctctct tagtttcttt ttttatagtt 120
 ggnttatattt gcaattataa atgntaaaca tccctagaga tgaaagttaa aatggctgat 180
 cacagatcag tagcaaaaata caaattgaca attcaaaaatt ataaataaaa ctctgttgag 240
 gatgtttaac tttgagcctc caaatttaag agctaagctt ggaagaaaca aatttatagg 300
 ttatatattcc ctcttaaatt aaaaaacaaa cttcctctgg cagtagnttg tgaattcctt 360
 tcattgnaat gataccatga ttacaggatc aaaaatgctt aacttacttg ccattctgct 420
 cacatcatca cagttgttt 439

<210> 743
 <211> 275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3
 <223> n = A,T,C or G

<400> 743
 cangacgcta cttcccctat catagaagag cttatcacct ttcatgatca cgccctcata 60
 gtcattttcc ttatctgctc cctagtcctg tatgcccttt tcctaacact cacaacaaaa 120
 ctaactaata ctaacatctc agacgctcag gaaatagaaa ccgtctgaac tatectgccc 180
 gccatcatcc tagtcctcat cgccctccca tccctacgca tcctttacat aacagacgag 240
 gtcaacgata cctcccttac catcaaatca attgg 275

<210> 744
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 5
 <223> n = A,T,C or G

<400> 744
 ctgtntctttt aaaaaatctg gatgtttttt atttagtgat tgttcgacaa ttagctgctt 60
 caaaacataa tgtgcattgc ttatgaatgc cttcatatac taatacagat actctgataa 120
 tattacactc taataaggat aatgctgaat tttgaaagga cacaaaacat ctaatgccaa 180

tatatacatg attagccaac atcttttgcta tcaagaccac tcgtttttaa ataaagatgc 240
aagtgtcagt tgtagattat tgggatgaag ctaaattcccc agaatgcagc agcag 295

<210> 745
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 434
<223> n = A,T,C or G

<400> 745
cgcgttactg tacatattgc tagcaggaga caactggaaa tactaaacaa atactggaat 60
tcacattaca gacagacgaa accaacaatgg atgccacaca taacttcctt tgtagtttca 120
cagagagcct atttgtgggt gctcagggtg ggtcatacat tgcttgacaga aatggcctga 180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg 240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac 300
agagaatcac tctcaaattt aacccaagat aagcaatagg atttgggggt gacttgtaca 360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta 420
tagtttgagt gtanggattc agtaatcaaa gggtgttatt gcaaaagagc caggcag 477

<210> 746
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 393
<223> n = A,T,C or G

<400> 746
ctgtgaaatt ggggttgggag agccaaaata ctttacaact tcagaccgga gaaaaggcca 60
gaggtgtgaa gttagactct atgatgaaac agagtcgtct tttgcatga catgttggga 120
taatgaatcc attctacttg cacagagctg gatgccacga gaaacagtaa tatttgcctc 180
agatgtaaga ataaattttg acaaatttcg gaactgcatg acagcaactg taatctcaaa 240
aaccattatt acaactaatc cagatatacc agaagctaac attctgctga attttatacg 300
agaaaataaa gaaacaaatg ttctggatga tgaaattgac agttatttca aagaatccat 360
aaatttaagt acaatagttg atgtctacac agntgaacaa ttaaaggga aagctttgaa 420
gaatgaagga aaagctgatc cttcctatgg catcctttat gcctacattt ccacactcaa 480
cattgatgat gaaactcaaa agtagttcga aatagatggt ccag 524

<210> 747
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 411
<223> n = A,T,C or G

<400> 747

```

cctcagttct tgattgtggt tgacggggcg tcaccatgaa ggagcccatt tagtataaag 60
cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcatagg 120
ggagtttccg atgccagagg atgaaagcaa gtgctttctc caccctctcc tcccagagtg 180
aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga 240
cacaaaatac tgagaggtaa ctttttatca atcaaaccac atacccaat ttaacacctt 300
tcagtgtctc gaattcaact gacagactaa aggggtgttc ctgtaacagt ctgaaatatt 360
aagtgttttt tttgttttgt ttttaaactc tatttcagaa aacttcctct nggggtagga 420
aagtacacat gaagcagcaa agtaacgaag aaaaac 456

```

<210> 748

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 28, 58, 207, 210, 217, 423

<223> n = A,T,C or G

<400> 748

```

ccanaccagg gaaccaaagt cagacagnga agttctctgc ttcttttggc tataatgnga 60
caagaaaggg atcatctttt gaagatgttt aaagaaataa agcaactttc tttataaaca 120
gtcaaataat caattaatgg aataaataag tactaaccce cattttaacc actctgtaat 180
cactacactt tacatathtt ttatttnggn ggcaantcc ccataatta gtctaaaatc 240
caccaatcac ttttaaaagt aaaatgaata gccaccaaaa taagaaaatc ttctgttcac 300
tctttggcta aaaaggaaaa caataaaaac aaaacaaaaa gaaacagaag acaactgtaa 360
cactggtgat aaaagaaact ttttttttac aagtaaaaata aagttatcaa tttaaatctt 420
ggncacttta taaaaacaag aggtaatgtt gtaataaaac agcagtagcc tcag 474

```

<210> 749

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 9, 12, 22, 242, 311, 332, 348

<223> n = A,T,C or G

<400> 749

```

cctgggttna gnggctgact gnaacctcca ctctctgttc tcaggcaatc ctctgcctc 60
agcctcctta gtagctggga ctacaggagt gtgcaaccat gcccaactaa tttttgtatt 120
tttaatatag acagggtttc accatgttga tcagggttgt ctccaactcc tgacctcagg 180
tgatccacct gtcccagcct cccaaagtgc tgggattaca ggcatgagcc accacgcccg 240
gnccaggata aagtaaaaat ttgtaagcac acaaggccct ttgcaacctg gctcctgggt 300
actactttta ncctcctgcc ctcccaaagt tnctcactgt ttttctanac atacc 355

```

<210> 750

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> 350, 364, 454
 <223> n = A,T,C or G

<400> 750
 ccatgctggt ctggaactcc tgaactcagg tgatccaccc gcctcagtct cccaatagat 60
 tacatatatt attaatgaat tgcttccttt aacaccctat tcattgaatt ttccagtaaa 120
 ccacaattac taattactcc tgaaatcaga aaagagggtta aaaagatttt ataacagtat 180
 cctatgaaat ctactacttt caagtaatag tagttgaatt accaaaaccc gtcactcaag 240
 ccaatgacta caattaagat atgagtaaca tttcctagat aaataaagtc aattaattat 300
 atttgcatct gggaaataga gaaagtacat ataagccatg attttgaagn caaaagagag 360
 agantatttg ccaaggaggg gtgagttata gtatgtaatt ataacataca gaagcttttt 420
 gtatgctggt aactaatttt aatttcctac attnttatgg agatttctgc tattcttgtc 480
 ctattttcca cct 493

<210> 751
 <211> 364
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 11, 34, 211, 360, 362
 <223> n = A,T,C or G

<400> 751
 cgagggtctgg naagggtcacc aagtctgccc aganagctca gaaggctaaa tgaatattat 60
 ccctaatacc tgccacccca ctcttaataca gtggtggaag aacgggtctca gaactgtttg 120
 tttcaattgg ccattttaagt ttagtagtaa aagactgggt aatgataaca atgcatcgta 180
 aaaccttcag aaggaaagga gaatgttttg nggaccactt tgggttttctt ttttgcggtg 240
 ggcagtttta agttattagt ttttaaaatc agtacttttt aatggaaaca acttgaccaa 300
 aaatttgcca cagaattttg agaccatta aaaaagttaa atgagataaa aaaaaaaaaa 360
 cntg 364

<210> 752
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 17, 368, 395, 400, 425
 <223> n = A,T,C or G

<400> 752
 ctggattatg gggtggnatt ggtcatatgt tagactccat acaggcatag ctatgatgca 60
 gtgaatccct tagaagttac aattctcaaa ttacatactt cctcagatgt aacattagaa 120
 ctcaatatatt ctaacaataa cataccagaa aaggctggac tggcactcat ctgctgacta 180
 acttgtagcc tcagtaatat gacatacttg cctttaacaa attatctcaa attaactaac 240
 agaccttcag aaaatggaga ttctttttga tggggacata atcaaattta agtctgagaa 300
 atatgcttaa cagttggaac tcaaattaaa tgtactgatt ttaaagttta gacattaaca 360
 agtgatanat tagcctcaaa aaaagacaat ttggnaaggn ttaggtcttt taatttggtg 420
 cttgntcaca acttgactgg tgcttctttc cttgctgctt cacatcaagc atggggccaa 480
 ttctattttc agtaaagt 498

<210> 753
 <211> 467
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 15, 77, 314, 317, 335, 419
 <223> n = A,T,C or G

<400> 753
 nacaacctta gccanaacca tttacccaaa taaagggata ggcgatagaa attgaaacct 60
 ggcgcaatag atatagnacc gcaagggaaa gatgaaaaat tataaccaag cataatatag 120
 caaggactaa cccctatacc ttctgcataa tgaattaact agaaataact ttgcaaggag 180
 agccaaagct aagacccccg aaaccagacg agctatctaa gaacagctaa aagagcacac 240
 ccgtctatgt agcaaaatag tgggaagatt tataggtaga ggcgacaaac ctaccgagcc 300
 tgggtgatagc tggntgncca agatagaatc ttagntcaac tttaaatttg cccacagaac 360
 cctctaaatc cccttgtaaa ttttaactgtt agtccaaaga ggaacagctc ttggacacna 420
 ggaaaaaacc ttgcagagag agtaaaaaat ttaacacca tagtagg 467

<210> 754
 <211> 196
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 17
 <223> n = A,T,C or G

<400> 754
 gtcattgttca agtggtntaa tctgacgcag gcttatgcgg aggagaatgt tttcatgtta 60
 cttataactaa cattagttct tctatagggt gatagattgg tccaattggg tgtgaggagt 120
 tcagttatat gtttgggatt ttttaggcag tgggtgttga gcttgaacgc tttcttaatt 180
 ggtggctgct tttagg 196

<210> 755
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 755
 ctggaaagga ttctgtacat ataagacatc aaatattgag ggatactgga actttttaa 60
 taatgggcaa agaaagtcaa caaaggaagt tcatatgaaa tcaaactagt aatatgatta 120
 caaaaaaaaaa gtttaaaatt tttcttggcc ccagtcttat catttctgag ccaaatacaa 180
 ttctatcgaa atcacctgaa actgaaatca ccattctagg ctgggttttcc cataaagatg 240
 gactgctcca aaaagaggaa tcaagaaaga atttggctca cagtgaatta ttcactttgt 300
 cttagttaac taaaaataaa atctgactgt taactacaga aatcatttca aattctgtgg 360
 tgataataaa gtaatgaccg c 381

<210> 756
 <211> 341
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 3

<223> n = A,T,C or G

<400> 756

```

ggntataaac ctattattta ttgcagaact aataaaaaat ccaaagcctt gtatttgtac 60
atctttatta tctctaaagc actttcctca acctaatttc agttttttaca attggtactc 120
aagaaaatag agacagaaat catttgattt tgcccagaaa ccatctgctt atatttataa 180
ggccacctaa tttgaaatca catatagacc aggcgcggtg gctcacgcct gtaattccaa 240
cactttggaa ggccaaggca ggtggatcac aaggtcaaga gattgagacc atcttggcca 300
acatggcgaa accccgtctc taccaaaaat acaaaaatca g 341

```

<210> 757

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 359, 425, 431

<223> n = A,T,C or G

<400> 757

```

cgcnttactg tacatattgc tagcagggag acaactggaa atactaaaca aatactggaa 60
ttcacattac agacagacga aaccaacatg gatgccacac ataacttcct ttgtagtctc 120
acagagagcc tatttggtgtg tgctcaggtg gggtcataca ttgcttgacg aaatggcctg 180
atcatagctc tatgaaacaa tgaattcgga atgaaatcct accatgacac ctctctgtag 240
gaaagaaatg ttgcttcacg tgtgctaagt tgagataata atatttcaca tatattatata 300
cagagaatca ctctcaaatt taaccacaaga taagcaatag gatttggggg tgacttgtnc 360
acattttctaa caacactttt ctttttttcta gaggtcactc tcaaacactg atatatcact 420
atagnttgag ngtagggatt caagtaatca aaggttggtt ttgcaaaaaga gccaggcag 479

```

<210> 758

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 6

<223> n = A,T,C or G

<400> 758

```

ccatgnctag gtttatagat agttgggtgg gttggtgtaa atgagtgagg caggagtccg 60
aggaggttag ttgtggcaat aaaaatgatt aaggatacta gtataagaga tcagggttcgt 120
cctttagtgt tgtgtatggc tatcatttgt tttgaggtta gtttgactag tcattgttgg 180
gtggtaatta gtcggttggt gatgagatat ttggaggtgg ggatcaatag aggggggaaat 240
agaatgatca gtactgcggc gggtagg 267

```

<210> 759

<211> 449

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 371
<223> n = A,T,C or G

<400> 759
cgaggtcttg aaatcagcaa cacacttaca aatgagaaaa tgaaaataga agagtatata 60
aagaaagga aagaggatta tgaagagagt catcagagag ctgtggctgc agaggatatcc 120
gtacttgaaa actggaagga gagtgaagtg tataagctac agatcatgga gtcacaagca 180
gaagcctttc tgaagaagct ggggctgatt agccgtgatc ctgcagcata tcccagacatg 240
gagtctgata tacgtttcatg ggaattgttt ctttctaatag ttacaaaaga aattgagaaa 300
gcaaagtctc agtttgaaga acaaattaag gcaattaaaa atggttcccg gctcagtga 360
ctttctaaag ngcagatttc tgagctttca tttcctgcct gtaacacggt tcatcccag 420
ttactccctg agtcttcagg ccacgatgg 449

<210> 760
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5, 34, 136, 169, 173, 209, 227, 246, 269, 274, 291, 316,
341, 414
<223> n = A,T,C or G

<400> 760
ccatnaactg gaagcagctc actaaacaaa cagnngcata cccatagaac tgcatacttc 60
tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaaa 120
atgccacatg aagaanccca agggggagaa acataaaaaac tttatatgnc agncatataa 180
aattctagaa aatgcaaact aatccatcnt aaaggaaagt aaatcancag ttgtctggag 240
gaccanagag agcaggagga gagagattnt taanggggtt aaagtaaatt ngggagtgcc 300
cttccatttt taaatnctat gaaaatgaaa gttaaaggccc ntgcatgttg taaactaata 360
gtaacaaaca gattggggtt gagtgggggtg ttgtctgggg acatcattac aaan 414

<210> 761
<211> 428
<212> DNA
<213> Homo sapiens

<400> 761
gagcctcact aaaataacag atttcagtat agccaagttc atcagaaaga ctcaaattgga 60
atgatttaca agatagaaca ctttaaacca ggtcagtcct atctttttgt agctgaaggc 120
tatcagtcac aacacaattt cgcgtacacc tctgctcatt atggaattac acttaaaacg 180
aatctcaaga gggtgaccat tgttgtttca gataccatcc ctaaggagag tggttaacag 240
gaagattgcc agtgttactg atggaaagaa gtgtttgttt gttttttttc ttgtcaaaga 300
cttacaccat agtttttaaa taaactgtca ggcattttct cagacagggt ttccttttca 360
atgcagtaat gaagaactaa gataaaaatc atgacttttg actgccactc aacattatta 420
catgcacc 428

<210> 762

<211> 574
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 47, 190, 449, 509, 510, 552
 <223> n = A,T,C or G

<400> 762
 caggtctgaa ctgataagta ttaagagacg tttgttgcta gttaagngtt ccagttgaga 60
 gttcgaagtg aaaacctggg ctctttacca gtgttgagtg agaagattta tttctctttc 120
 ctctgaattt accacatgta acatcacaga gacatgtaga gttccttttag gatttgcgat 180
 ttgaaccagn ccagtctgat tttcaggtga attctgtgaa gagcttgatg ggggaagtct 240
 gaagacagaa ggaattaggg aaaaggggtga tacttacaga gtaaaggaaa taaatgaaaa 300
 gataatggta tttttggtag ccacagggaa atagcaggag gggactggag atcacacaca 360
 cgcacacgca cacacacaaa cacacacaca cgctaaaact caaactaaaa acctcccaaa 420
 ggagctgctt tgtttgcaga cttcaattng aagtagatac taagggaag aatagaccag 480
 ttaaaattca cctgaaaatc tcttcccann cttcaaattg gctaaaatat cactgtcagc 540
 ttagcatctc tncatgtatg tatatataga tgta 574

<210> 763
 <211> 465
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 41, 116, 411
 <223> n = A,T,C or G

<400> 763
 cctactatgg gtgttaaaat tttttactct ctctacaagg ntttttccta gtgtccaaag 60
 agctgttcct ctttggacta acagttaaatt ttacaagggg atttagaggg ttctgngggc 120
 aaattttaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg 180
 tttgtcgctt ctacctataa atcttcccac tatttttgcta catagacggg tgtgctcttt 240
 tagctgttct taggtagctc gtctgggttc ggggggtctta gctttggctc tccttgcaaa 300
 gttattttcta gttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc 360
 ttggatataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ngtttcaatt 420
 tctatcgctt atactttatt tgggtaaatt gtttggctaa gggttg 465

<210> 764
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 764
 ctgtcaatta atgctagtc tcaggattta aaaaataatc ttaactcaaa gtccaatgca 60
 aaaacattaa gttggtaatt actcttgatc ttgaattact tccgttacga aagtccttca 120
 catttttcaa actaagctac tatatttaag g 151

<210> 765
 <211> 251
 <212> DNA

<213> Homo sapiens

<400> 765

```
gaagagctta tcacctttca tgatcacgcc ctcatagtca ttttccttat ctgcttccta 60
gtcctgtatg ccctttttcct aacactcaca acaaaaactaa ctaataactaa catctcagac 120
gctcaggaaa tagtaaccgt ctgaactatc ctgcccgccca tcatacctagt cctcatcgcc 180
ctcccatccc tacgcatcct ttacataaca gacgagggtca acgatccctc ccttaccatc 240
aatcaattg g 251
```

<210> 766

<211> 375

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10

<223> n = A,T,C or G

<400> 766

```
cgagggtctgn cctcctgggtt cttcatccat tattaacaga agagcatact ggtttcggtc 60
cataaaaatct ttgggaaggg acaactgtaa aggaagttca tagtcgtcaa tatgaaggat 120
tttaattttct ggcttttccta tcttcttctt caggatagct tccttcagca tagaattgtt 180
ttccaatata aaatatatttg ctggggttgtc cgtactatgt aggctgacca ctgggaccct 240
tggaccttca cagaataata agaaatggtg attcatggga ctaaaactgg catcaaaata 300
tgtacattgt tctttcatga aattacatga aatgcattgg cgattcaata atccttcagt 360
agaagcactg tacag 375
```

<210> 767

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 70, 160, 386, 408, 440, 484

<223> n = A,T,C or G

<400> 767

```
cgagggtctga accctcgtgg agccattcat acaggtcctt aattaaggaa caagtgatta 60
tgctaccttn gcacgggttag ggtaccgcgg cccgttaaac atgtgtcact gggcaggcgg 120
tgctctaat actggtgatg ctagagggtga tgtttttggn aaacaggcgg ggtaagattt 180
gccgagttcc ttttactttt tttaaccttt ccttatgagc atgcctgtgt tgggttgaca 240
gtgagggttaa taatgacttg ttggtgattg tagatattgg gctgttaatt gtcagttcag 300
tgtttttaatc tgacgcaggc ttatgcggag gagaatgttt tcatgttact tatactaaca 360
ttagttcttc tataggggtga tagatnggtc caattgggtg tgaggagntc acttatatgt 420
ttgggatttt ttaggtaagn gggtgttgag cttgaacgct ttcttaattg ggggctgctt 480
ttang 485
```

<210> 768

<211> 379

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 35
 <223> n = A,T,C or G

<400> 768
 ctgatattct attaaagata caaagaggag ctggnaccat ttctttctgaa actattacaa 60
 acaactgaaa aggtggaatt tctccctaatt tcatttttagg aggccagcat tatactgata 120
 ccaaaacctg gcagagggtac aataataaaa ggaaacttca agtcagtatc actgatgaac 180
 accaatgtga aaatcctcaa taaaataactg gcaaactgaa ttcagcagca catcaaaaag 240
 ctaatccacc acaatcaagt cagcttcac cctgcgatgc aagtctggtt caacatatgc 300
 aaatcaataa atacaattca tcagataaac agagctaaag acaaaattca catgattttc 360
 tcaatagatg cagaaaagg 379

<210> 769
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 282, 460, 490
 <223> n = A,T,C or G

<400> 769
 cgagggtccat atgatgatca gtctatatag tttaaggcgc agatacacaa attttcaaaa 60
 atatgggtag aatatagtca atatgaatgg aatagacaat gctttgaaaa tcaactggagg 120
 gaggctttat tgtttgtgaa aacatgttgt catcactttt tgctttaagc ccttggtggt 180
 gaaataactc aaaccattct tccttatgct gaagatcgag aacccaagt atcacatcta 240
 ccatcccact catcaatgtg attgggtcagt ctttgctgag gncctgcata gccagtttta 300
 aagtttagagt tcttgcatat acatatgaaa aggcatgtta cttgtgcttt caaagagctt 360
 tttgcttggt gtaaaaagaa aactcaaatt acagtgtgat gtggaatata atgggtggtag 420
 tttcatcgag atgatgggaa agaattgata agataaagcn gaaagatgag cagaattttc 480
 agattgggtn tggaaagagc acttaagaaa gaggggtgg 518

<210> 770
 <211> 378
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 163, 283, 340
 <223> n = A,T,C or G

<400> 770
 tatgggtcct gagtgtggaa tataagataa caagacaatt cccttgcttt caagggaaat 60
 cacactttat aaaactttga attccttgaaa tgggtttcag aggttccaag gtcaaattca 120
 agaataagag ttaagaagaa aaagactatg agaaaggaag tgntgacccc atttgcat 180
 aaatggcagg aatagtctca atctactcat tggggaaaaa tgtatgttgc atatttttga 240
 gatattgcaa cttgctctct ctcttttgcca cccaccctt tgncatgctc tgtttttggg 300
 ctgaattggc aagaaaaatg gctggagggc tggagaagn tggacccttc ttccttcttc 360
 cttcttcctt ctttctcc 378

<210> 771
 <211> 207
 <212> DNA
 <213> Homo sapiens

<400> 771
 cataaatatt atactagcat ttaccatctc acttctagga atactagtat atcgctcaca 60
 cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac 120
 tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt 180
 ctttgccgcc tgcgaagcag cggtagg 207

<210> 772
 <211> 384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 115
 <223> n = A,T,C or G

<400> 772
 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
 gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgnngggca 120
 aattttaaagt tgaactaaga ttctatcttg gacaaccagg tatcaccagg ctcggtaggt 180
 ttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
 agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggtctt ccttgcaaag 300
 ttattttctag ttaattcatt atgcagaagg tatagggggt agtccttgct atattatgct 360
 tggttataat ttttcatctt tccc 384

<210> 773
 <211> 182
 <212> DNA
 <213> Homo sapiens

<400> 773
 cccttttcct aacactcaca acaaaactaa ctaatactaa catctcagac gctcagggaa 60
 atagaaaccg tctgaactat cctgccccgc atcatcctag tcctcatcgc cctcccatcc 120
 ctacgcatcc tttacataac agacgaggtc aacgatccct cccttaccat caaatcaatt 180
 gg 182

<210> 774
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 774
 ccatggctag gtttatagat agttgggtgg ttgggtgtaa atgagtgagg caggagtccg 60
 aggaggttag ttgtggcaat aaaaatgatt aaggatacta gtataagaga tcaggttcgt 120
 ccttttagtgt tgtgtatggc tatcatttgt tttgagggtta gtttgattag tcattgttg 180
 gtggtaatta g 191

<210> 775
 <211> 192

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 12, 45, 51, 62, 90, 114, 134, 163
<223> n = A,T,C or G

<400> 775
ccatggctaa gntatataga tagctgggtg gctggagtaa atgantgagg nacgagtcg 60
angaggttag ttgaggcaat aaaaatgatn aaggatacta gtataagaga tcangttcgt 120
cctttacatg ttgngtatgg ctatcatttg ttttgaggct agnttgatta gtcattgttg 180
ggtggtaatt aa 192

<210> 776
<211> 144
<212> DNA
<213> Homo sapiens

<400> 776
ctgacccctt agaaccctgg ctctgccatt agctaggacc taagactctg cccacatttt 60
ggtctgttct ctcccattac acataggttt gtctcagcat gcaagagttt ttcctttaaa 120
aaaaaaaaaa aaaaaaaaaa aaaa 144

<210> 777
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 14, 339, 461
<223> n = A,T,C or G

<400> 777
cctactatgg gtgntaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga 60
gctgttcctc tttggactaa cagttaagtt tacaagggga tttagagggt tctgtgggca 120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt 180
ttgtcgccct tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt 240
agctgttctt aggtagctcg tctggtttct ggggtcttag ctttggtctt ccttgcaaag 300
ttattttctag ttaattcatt atgcagaagg tataggggnt aagtccttgc tatattatgc 360
ttggatataa tttttcatct ttcccttgcg gtactatata tattgcgcca ggtttcaatt 420
tctgccgcct atactttatt tgggtaaatg gtttggctaa ngttgctggt agaaggtgga 480
gtg 483

<210> 778
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 295, 297, 370
<223> n = A,T,C or G

<400> 778

```

ctgcattttt attgcgatct gcagatgaac tgggaaaatc tcattttaca acagaactga 60
gacagacgac caccatattc actgaggtct aaatttgcag tttccactaa tgacattttg 120
atttcccaac agagatactt ctggtcttac tgcacagtct ttttaagagaa atacttccat 180
tatgccacat tgtccttgat ccgtaagtga tgtgttaagg tgcttcaaag gaactctgac 240
ctctgaagta cttgagctac tttagtatgt ccagcctatt gctttttgtt ttagngngtc 300
accataaata tcagggggcat aaaaggctat ctattcttaa ttcaaggata aaacagaaga 360
agcttgtggn ataaaacaat agtcaagatc cag 393

```

<210> 779

<211> 277

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4

<223> n = A,T,C or G

<400> 779

```

cctnttgatt tgatgggtaa ggggagggat cgttgacctc gtctgttatg taaaggatgc 60
gtagggatgg gagggcgatg aggactagga tgatggcggg caggatagtt cagacggttt 120
ctatttcctg agcgtctgag atgttagtat tagttagttt tgttgtgagt gttaggaaaa 180
gggcatacag gactaggaag cagataagga aaatgactat gagggcgtga tcatgaaagg 240
tgataagctc ttctatgata ggggaagtag cgtcttg 277

```

<210> 780

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 19, 33, 38, 84, 323

<223> n = A,T,C or G

<400> 780

```

catgntatgg ataaccatnt taactgtatt ttntgcance cgtaccttct tgggaataca 60
attgtctaac tttttatttt tggncctggct gttgtggtgt gcaaaactcc gtacattgct 120
attttgccac actgcaacac cttacagatg tggaagatgt gaaatttgct atcaattatg 180
actaccctaa ctctcagag gattatattc atcgaattgg aagaactgct cgcagtacca 240
aaacaggcac agcatacact ttcttttacac ctaataacat aaagcagggg agcgacctta 300
tctctgtgct tcgggaagct aancaaac 328

```

<210> 781

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 75, 237

<223> n = A,T,C or G

<400> 781

```

ctgttcagaa agctcattgg acctgggtttt gaaaataaaa caaagttaaa accctgggag 60
gagttattgt gcagngtgga gtactcaggc tttcttataa agaaaaaaaa agttatctgg 120
taccaaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat 180
cacaaggctg ccaagtgcct gtttttctag aactaggagt tggtgagggtt tggctantgc 240
tgaaaccatg cataggattg gtttactaaa ttaaacctt attacgtacg tcctccaaaa 300
gacag                                         305

```

<210> 782

<211> 497

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 385, 433, 440, 471

<223> n = A,T,C or G

<400> 782

```

cgaggtggct ttaattgatg ttaatgcctt atgtcaaattg taaagttaga atttgctagg 60
gctgggtagg ggagtgatat ttctaggact tagacattga aaactaatc agcctgtagt 120
aacctggatg gttttcaatg gcatgggttag tcaaattcat ggttttaaac ttagaagcag 180
ctttcggggg agagggtagg ttggagcatt tattacatat tttactgttt aatgtcttaa 240
ccgtgggcct ttaattttgt aaacactgaa atgattgttg ggctgtggaa aacatttacc 300
tatttacctt ggaagtttta aaagacagtc cacttttttag catgtgtgtt gcgtccagcc 360
tgtggtcgtc ttaactaata aatgngattt ttctctcaaa aaaaaaacct ccccgggcgg 420
ccgtcaagg gcnaattccn cacactggcg gccgttacta ggggatccga nctcggtcca 480
agcttggcgt aatcatg                                         497

```

<210> 783

<211> 364

<212> PRT

<213> Homo sapiens

<400> 783

```

Met Trp Gln Pro Leu Phe Phe Lys Trp Leu Leu Ser Cys Cys Pro Gly
 1          5          10          15
Ser Ser Gln Ile Ala Ala Ala Ala Ser Thr Gln Pro Glu Asp Asp Ile
          20          25          30
Asn Thr Gln Arg Lys Lys Ser Gln Glu Lys Met Arg Glu Val Thr Asp
          35          40          45
Ser Pro Gly Arg Pro Arg Glu Leu Thr Ile Pro Gln Thr Ser Ser His
          50          55          60
Gly Ala Asn Arg Phe Val Pro Lys Ser Lys Ala Leu Glu Ala Val Lys
65          70          75          80
Leu Ala Ile Glu Ala Gly Phe His His Ile Asp Ser Ala His Val Tyr
          85          90          95
Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp
          100          105          110
Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser
          115          120          125
Asn Ser His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Arg Ser Leu
          130          135          140

```


Lys Asn Leu Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Phe Pro
 145 150 155 160
 Val Ser Val Lys Pro Gly Glu Glu Val Ile Pro Lys Asp Glu Asn Gly
 165 170 175
 Lys Ile Leu Phe Asp Thr Val Asp Leu Cys Ala Thr Trp Glu Ala Met
 180 185 190
 Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn
 195 200 205
 Phe Asn His Arg Leu Leu Glu Met Ile Leu Asn Lys Pro Gly Leu Lys
 210 215 220
 Tyr Lys Pro Val Cys Asn Gln Val Glu Cys His Pro Tyr Phe Asn Gln
 225 230 235 240
 Arg Lys Leu Leu Asp Phe Cys Lys Ser Lys Asp Ile Val Leu Val Ala
 245 250 255
 Tyr Ser Ala Leu Gly Ser His Arg Glu Glu Pro Trp Val Asp Pro Asn
 260 265 270
 Ser Pro Val Leu Leu Glu Asp Pro Val Leu Cys Ala Leu Ala Lys Lys
 275 280 285
 His Lys Arg Thr Pro Ala Leu Ile Ala Leu Arg Tyr Gln Leu Gln Arg
 290 295 300
 Gly Val Val Val Leu Ala Lys Ser Tyr Asn Glu Gln Arg Ile Arg Gln
 305 310 315 320
 Asn Val Gln Val Phe Glu Phe Gln Leu Thr Ser Glu Glu Met Lys Ala
 325 330 335
 Ile Asp Gly Leu Asn Arg Asn Val Arg Tyr Leu Thr Leu Asp Ile Phe
 340 345 350
 Ala Gly Pro Pro Asn Tyr Pro Phe Ser Asp Glu Tyr
 355 360

<210> 784

<211> 6353

<212> DNA

<213> Homo sapiens

<400> 784

tggcgaatgg gacgcgccct gtagcggcgc attaagcgcg gcgggtgtgg tggttacgcg 60
 cagcgtgacc gctacacttg ccagcgcgccct agcgcgccgt cctttcgctt tcttccttc 120
 ctttctcgcc acgttcgccc gctttccccg tcaagctcta aatcgggggc tccctttagg 180
 gttccgattt agtgctttac ggcacctcga ccccaaaaaa cttgattagg gtgatggttc 240
 acgtagtggg ccatcgccct gatagacggg ttttcgcccct ttgacgttgg agtccacggt 300
 ctttaatagt ggactcttgt tccaaactgg aacaacactc aaccctatct cggctctattc 360
 ttttgattta taagggattt tgccgatttc ggcctatttg ttaaaaaatg agctgattta 420
 acaaaaattt aacgcgaatt ttaacaaaat attaacgttt acaatttcag gtggcacttt 480
 tcgggggaaat gtgcgcggaa ccctattttg tttatttttc taaatacatt caaatatgta 540
 tccgctcatg aattaattct tagaaaaact catcgagcat caaatgaaac tgcaatttat 600
 tcatatcagg attatcaata ccatattttt gaaaaagccg tttctgtaat gaaggagaaa 660
 actcaccgag gcagttccat aggatggcaa gatcctggta tcggtctgcg attccgactc 720
 gtccaacatc aatacaacct attaatctcc cctcgtcaaa aataagggtta tcaagtgaga 780
 aatcaccatg agtgacgact gaatccgggtg agaatggcaa aagtttatgc atttctttcc 840
 agacttgttc aacaggccag ccattacgct cgtcatcaaa atcactcgca tcaaccaaac 900
 cgttattcat tcgtgattgc gcctgagcga gacgaaatac gcgatcgctg ttaaaaggac 960
 aattacaaac aggaatcgaa tgcaaccggc gcaggaacac tgccagcgca tcaacaatat 1020
 tttcacctga atcaggatat tcttctaata cctggaatgc tgttttcccg gggatcgag 1080

tggcaccag	ttgatcg	cgagatttaa	tcgccgcgac	aatttgcgac	ggcgcggtgca	4380
gggccagact	ggaggtggca	acgccaatca	gcaacgactg	tttgcccgc	agttgttgtg	4440
ccacgcggtt	gggaatgtaa	ttcagctccg	ccatcgccgc	ttccactttt	tcccgcgttt	4500
tcgcagaaac	gtggctggcc	tggttcacca	cgcgggaaac	ggtctgataa	gagacaccgg	4560
catactctgc	gacatcgat	aacgttactg	gtttcacatt	caccaccctg	aattgactct	4620
cttccggg	ctatcatgcc	ataccgcgaa	aggttttg	ccattcgatg	gtgtccggga	4680
tctcgacgct	ctcccttatg	cgactcctgc	attaggaagc	agcccagtag	taggttgagg	4740
ccgttgagca	ccgccgccc	aagggaatggt	gcatgcaagg	agatggcgcc	caacagtccc	4800
ccggccacgg	ggcctgccac	cataccacag	ccgaaacaag	cgctcatgag	cccgaagtgg	4860
cgagcccgat	cttccccatc	ggtgatgtcg	gcgatatagg	cgccagcaac	cgcacctgtg	4920
gcgcgggtga	tgccggccac	gatgcgtccg	gcgtagagga	tcgagatctc	gatcccgcga	4980
aattaatacg	actcactata	ggggaattgt	gagcggataa	caattcccct	ctagaaataa	5040
ttttgtttaa	ctttaagaag	gagatataca	tatgcagcat	caccaccatc	accactggca	5100
gcccctcttc	ttcaagtggc	tcttgctcctg	ttgccctggg	agttctcaaa	ttgctgcagc	5160
agcctccacc	cagcctgagg	atgacatcaa	tacacagagg	aagaagagtc	aggaaaagat	5220
gagagaagtt	acagactctc	ctgggcgacc	ccgagagctt	accattcctc	agacttcttc	5280
acatggtgct	aacagatttg	ttcctaaaag	taaagctcta	gaggccgtca	aattggcaat	5340
agaagccggg	ttccaccata	ttgattctgc	acatgtttac	aataatgagg	agcaggttgg	5400
actggccatc	cgaagcaaga	ttgcagatgg	cagtgtgaag	agagaagaca	tattctacac	5460
ttcaaagctt	tggagcaatt	cccatcgacc	agagttgggtc	cgaccagcct	tggaaagggtc	5520
actgaaaaat	cttcaattgg	actatgttga	cctctatctt	attcattttc	cagtgtctgt	5580
aaagccaggt	gaggaagtga	tcccaaaaga	tgaaaatgga	aaaatactat	ttgacacagt	5640
ggatctctgt	gccacatggg	aggccatgga	gaagtgtaaa	gatgcaggat	tggccaagtc	5700
catcggggtg	tccaacttca	accacaggct	gctggagatg	atcctcaaca	agccagggtc	5760
caagtacaag	cctgtctgca	accagggtga	atgtcatcct	tacttcaacc	agagaaaact	5820
gctggatttc	tgcaagtcaa	aagacattgt	tctggttgcc	tatagtgtc	tgggatccca	5880
tcgagaagaa	ccatgggtgg	accggaactc	cccgggtgctc	ttggaggacc	cagtcctttg	5940
tgccttgga	aaaaagcaca	agcgaacccc	agccctgatt	gccctgcgct	accagctgca	6000
gcgtgggggt	gtggctcctgg	ccaagagcta	caatgagcag	cgcatcagac	agaacgtgca	6060
ggtgtttgaa	ttccagttga	cttcagagga	gatgaaagcc	atagatggcc	taaacagaaa	6120
tgtgcgatat	ttgacccttg	atattttttgc	tggccccctt	aattatccat	tttctgatga	6180
atattaatga	ctcgagcacc	accaccacca	ccactgagat	ccggctgcta	acaaagccc	6240
aaaggaagct	gagttggctg	ctgccaccgc	tgagcaataa	ctagcataac	cccttggggc	6300
ctctaaacgg	gtcttgaggg	gttttttgct	gaaaggagga	actatatccg	gat	6353

<210> 785

<211> 5502

<212> DNA

<213> Homo sapiens

<400> 785

tggcgaatgg	gacgcgccct	gtagcggcgc	attaagcgcg	gcgggtgtgg	tggttacgcg	60
cagcgtgacc	gctacacttg	ccagcgccct	agcgcccgtc	cctttcgctt	tcttcccttc	120
ctttctcgcc	acgttcgccc	gctttccccg	tcaagctcta	aatcgggggc	tccctttagg	180
gttccgattt	agtgttttac	ggcacctcga	ccccaaaaaa	cttgattagg	gtgatggttc	240
acgtagtggg	ccatcgccct	gatagacggt	ttttcgccct	ttgacgttgg	agtccacggt	300
ctttaatagt	ggactcttgt	tccaaactgg	aacaacactc	aaccctatct	cggtctattc	360
ttttgattta	taagggattt	tgccgatttc	ggcctatttg	ttaaaaaatg	agctgattta	420
acaaaaattt	aacgcgaatt	ttaacaaaat	attaacgttt	acaatttcag	gtggcacttt	480
tcggggaaat	gtgcgcggaa	cccctatttg	tttatttttc	taaatacatt	caaatatgta	540
tccgctcatg	aattaattct	tagaaaaact	catcgagcat	caaatgaaac	tgcaatttat	600
tcatatcagg	attatcaata	ccatattttt	gaaaaagccg	tttctgtaat	gaaggagaaa	660

actcaccgag gcagttccat aggatggcaa gatcctggta tcggtctgcg attccgactc 720
 gtccaacatc aatacaacct attaatctcc cctcgtcaaa aataagggtta tcaagtgaga 780
 aatcaccatg agtgacgact gaatccggtg agaattggcaa aagtttatgc atttctttcc 840
 agacttggtc aacaggccag ccattacgct cgtcatcaaa atcactcgca tcaaccaaac 900
 cgttattcat tcgtgattgc gcctgagcga gacgaaatac gcgatcgctg ttaaaaggac 960
 aattacaaac aggaatcgaa tgcaaccggc gcaggaacac tgccagcgca tcaacaatat 1020
 tttcacctga atcaggatat tcttctaata cctggaatgc tgttttcccg gggatcgag 1080
 tgggtgagtaa ccatgcatca tcaggagtag ggataaaatg cttgatggtc ggaagaggca 1140
 taaattccgt cagccagttt agtctgacca tctcatctgt aacatcattg gcaacgctac 1200
 ctttgccatg tttcagaaac aactctggcg catcgggctt cccatacaat cgatagattg 1260
 tcgcacctga ttgcccagca ttatcgcgag cccatttata cccatataaa tcagcatcca 1320
 tggttgaatt taatcgcggc ctagagcaag acgtttcccg ttgaatatgg ctcataacac 1380
 cccttgattt actgtttatg taagcagaca gttttattgt tcatgaccaa aatcccttaa 1440
 cgtgagtttt cgttccactg agcgtcagac cccgtagaaa agatcaaagg atcttcttga 1500
 gatccttttt ttctgcgctg aatctgctgc ttgcaaacia aaaaaccacc gctaccagcg 1560
 gtggtttgtt tgccggatca agagctacca actctttttc cgaaggtaac tggcttcagc 1620
 agagcgcgca taccaaatac tgctcttcta gtgtagccgt agttaggcca ccacttcaag 1680
 aactctgtag caccgcctac atacctcgct ctgctaatac tgttaccagt ggctgctgcc 1740
 agtggcgata agtcgtgtct taccgggttg gactcaagac gatagttacc ggataaggcg 1800
 cagcggtcgg gctgaacggg gggttcgtgc acacagccca gcttgagagc aacgacctac 1860
 accgaactga gatacctaca gcgtgagcta tgagaaagcg ccacgcttcc cgaagggaga 1920
 aaggcggaac ggtatccggt aagcggcagg gtcggaacag gagagcgac gagggagctt 1980
 ccagggggaa acgcctggta tctttatagt cctgtcgggt ttcgccacct ctgacttgag 2040
 cgtcgatttt tgtgatgctc gtcagggggg cggagcctat ggaaaaacgc cagcaacgcg 2100
 gcctttttac ggttcctggc cttttgctgg ccttttgctc acatgttctt tcctgcgtta 2160
 tcccctgatt ctgtggataa ccgtattacc gcctttgagt gagctgatac cgctcgccgc 2220
 agccgaacga ccgagcgag cgagtcagt agcgaggaag cggaagagcg cctgatgcgg 2280
 tattttctcc ttacgcctct gtgcggtatt tcacaccgca tatatgggtc actctcagta 2340
 caatctgctc tgatgccgca tagttaagcc agtatacact ccgctatcgc tacgtgactg 2400
 ggtcatggct gcgccccgac acccgccaac acccgctgac gcgcccctgac gggcttgtct 2460
 gctcccggca tccgcttaca gacaagctgt gaccgtctcc gggagctgca tgtgtcagag 2520
 gttttcaccg tcatcaccga aacgcgcgag gcagctgcgg taaagctcat cagcgtggtc 2580
 gtgaagcgat tcacagatgt ctgcctgttc atccgcgtcc agctcggtga gtttctccag 2640
 aagcgttaat gtctggcttc tgataaagcg ggccatgtta agggcggttt tttcctgttt 2700
 ggtcactgat gcctccgtgt aagggggatt tctgttcatg ggggtaatga taccgatgaa 2760
 acgagagagg atgctcacga tacgggttac tgatgatgaa catgcccggg tactggaacg 2820
 ttgtgagggg aaacaactgg cggtatggat gcggcgggac cagagaaaaa tcaactcagg 2880
 tcaatgccag cgcttcgtta atacagatgt aggtgttcca cagggtagcc agcagcatcc 2940
 tgcatgagc atccggaaca taatgggtgca gggcgctgac ttcgcggttt ccagacttta 3000
 cgaaacacgg aaaccgaaga ccattcatgt tgttgctcag gtcgcagacg ttttgagca 3060
 gcagtcgctt cacgttcgct cgcgtatcgg tgattcattc tgctaaccag taaggcaacc 3120
 ccgccagcct agccgggtcc tcaacgacag gagcacgac atgcgcaccc gtggggccgc 3180
 catgccggcg ataattggct gcttctcgcc gaaacgtttg gtggcgggac cagtgcgaa 3240
 ggcttgagcg agggcggtgca agattccgaa taccgcaagc gacaggccga tcatcgtcgc 3300
 gctccagcga aagcggctcc cgccgaaaat gaccagagc gctgccggca cctgtcctac 3360
 gagttgcatg ataaagaaga cagtcataag tgccggcgag atagtcagc cccgcgcca 3420
 ccggaaggag ctgactgggt tgaaggctct caagggcatc ggtcgagatc ccggtgccta 3480
 atgagtgagc taacttacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa 3540
 cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgctgat 3600
 tgggcgccag ggtgggtttt cttttcacca gtgagacggg caacagctga ttgcccttca 3660
 ccgctggcc ctgagagagt tgcagcaagc ggtccacgct ggtttgcccc agcaggcgaa 3720
 aatcctgttt gatgggtggt aacggcgga tataacatga gctgtcttcg gtatcgtcgt 3780
 atcccactac cgagatatcc gcaccaacgc gcagcccga ctcggtaatg gcgcgcattg 3840
 cgcccagcgc catctgatcg ttggcaacca gcacgcagc gggaaacgat ccctcattca 3900


```

gcatttgcat ggtttggtga aaaccggaca tggcactcca gtcgccttcc cgttccgcta 3960
tcggctgaat ttgattgcga gtgagatatt tatgccagcc agccagacgc agacgcgccg 4020
agacagaact taatgggccc gctaacagcg cgatttgctg gtgacccaat gcgaccagat 4080
gctccacgcc cagtcgcgta ccgtcttcat gggagaaaat aatactgttg atgggtgtct 4140
ggtcagagac atcaagaaat aacgccggaa cattagtga ggcagcttcc acagcaatgg 4200
catcctggtc atccagcgga tagttaatga tcagcccact gacgcgttgc gcgagaagat 4260
tgtgcaccgc cgctttacag gcttcgacgc cgcttcgttc taccatcgac accaccacgc 4320
tggcaccag ttgatcggcg cgagatttaa tcgccgcgac aatttgcgac ggcgcgtgca 4380
gggccagact ggaggtggca acgccaatca gcaacgactg tttgcccgcc agttgttggtg 4440
ccacgcggtt gggaatgtaa ttcagctccg ccacgcgcgc ttcactttt tcccgcgttt 4500
tcgcagaaac gtggctggcc tggttcacca cgcggaac ggtctgataa gagacaccgg 4560
catactctgc gacatcgat aacgttactg gtttcacatt caccaccctg aattgactct 4620
cttccgggcg ctatcatgcc ataccgcgaa aggttttgcg ccattcgatg gtgtccggga 4680
tctcgacgct ctcccttatg cgactcctgc attaggaagc agcccagtag taggttgagg 4740
ccgttgagca ccgccgccgc aaggaatggt gcatgcaagg agatggcgcc caacagtccc 4800
ccggccacgg ggctgccac cataccacg ccgaaacaag cgctcatgag cccgaagtgg 4860
cgagcccgat ctccccatc ggtgatgtcg gcgatatagg cgccagcaac cgcacctgtg 4920
gcgcgggtga tgccggccac gatgcgtccg gcgtagagga tcgagatctc gatcccgcga 4980
aattaatacg actcactata ggggaattgt gagcggataa caattcccct ctagaaataa 5040
ttttgtttaa ctttaagaag gagatataca tatgcagcat caccaccatc accactggca 5100
gcccctcttc ttcaagtggc tcttgctcctg ttgccctggg agttctcaaa ttgctgcagc 5160
agcctccacc cagcctgagg atgacatcaa tacacagagg aagaagagtc aggaaaagat 5220
gagagaagtt acagactctc ctgggcgcacc ccgagagctt accattcctc agacttcttc 5280
acatggtgct aacagatttg tttgatgaat tctgcagata tccatcacac tggcggccgc 5340
tcgagcacca ccaccaccac cactgagatc cggctgctaa caagcccga aaggaagctg 5400
agttggctgc tgccaccgct gagcaataac tagcataacc ccttggggcc tctaaacggg 5460
tcttgagggg ttttttgctg aaaggaggaa ctatatccgg at 5502

```

```

<210> 786
<211> 108
<212> PRT
<213> Homo sapiens

```

```

<400> 786
Arg Arg Ser Cys Glu Pro Ala Thr Arg Val Pro Glu Val Trp Ile Leu
 1          5          10          15
Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn His Thr
      20          25          30
Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln
      35          40          45
Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile
      50          55          60
Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met
      65          70          75          80
Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser
      85          90          95
Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr
      100          105

```

```

<210> 787
<211> 152

```

<212> PRT

<213> Homo sapiens

<400> 787

Arg	Pro	Lys	Glu	Glu	Val	Pro	Arg	Ser	Lys	Ala	Leu	Glu	Val	Thr	Lys
1				5					10					15	
Leu	Ala	Ile	Glu	Ala	Gly	Phe	Arg	His	Ile	Asp	Ser	Ala	His	Leu	Tyr
			20					25					30		
Asn	Asn	Glu	Glu	Gln	Val	Gly	Leu	Ala	Ile	Arg	Ser	Lys	Ile	Ala	Asp
		35					40					45			
Gly	Ser	Val	Lys	Arg	Glu	Asp	Ile	Phe	Tyr	Thr	Ser	Lys	Leu	Trp	Ser
	50					55					60				
Thr	Phe	His	Arg	Pro	Glu	Leu	Val	Arg	Pro	Ala	Leu	Glu	Asn	Ser	Leu
65					70					75					80
Lys	Lys	Ala	Gln	Leu	Asp	Tyr	Val	Asp	Leu	Tyr	Leu	Ile	His	Ser	Pro
			85					90					95		
Met	Ser	Leu	Lys	Pro	Gly	Glu	Glu	Leu	Ser	Pro	Thr	Asp	Glu	Asn	Gly
			100					105					110		
Lys	Val	Ile	Phe	Asp	Ile	Val	Asp	Leu	Cys	Thr	Thr	Trp	Glu	Ala	Met
		115					120					125			
Glu	Lys	Cys	Lys	Asp	Ala	Gly	Leu	Ala	Lys	Ser	Ile	Gly	Val	Ser	Asn
	130					135					140				
Phe	Asn	Pro	Gln	Ala	Ala	Gly	Asp								
145						150									

<210> 788

<211> 1633

<212> DNA

<213> Homo sapiens

<400> 788

cgtggaggca	gctagcgcga	ggctggggag	cgctgagccg	cgcgctcgtgc	cctgcgctgc	60
ccagactagc	gaacaataca	gtcgggatgg	ctaaagggtga	ccccaagaaa	ccaaagggca	120
agacgtccgc	ttatgccttc	tttgtgcaga	catgcagaga	agaacataag	aagaaaaacc	180
cagaggtccc	tgtcaatttt	gcggaatttt	ccaagaagtg	ctctgagagg	tggaagacgg	240
tgtccgggaa	agagaaatcc	aaatttgatg	aaatggcaaa	ggcagataaa	gtgcgctatg	300
atcggggaat	gaaggattat	ggaccagcta	agggaggcaa	gaagaagaag	gatacctaag	360
ctcccaaaaag	gccaccgtct	ggattcttcc	tgttctgttc	agaattccgc	cccaagatca	420
aatccacaaa	ccccggcatc	tctattggag	acgtggcaaa	aaagctgggt	gagatgtgga	480
ataattttaa	tgacagtga	aagcagcctt	acatcactaa	ggcggcaaa	ctgaaggaga	540
agtatgagaa	ggatgttgct	gactataagt	cgaaaggaaa	gtttgatggt	gcaaagggtc	600
ctgctaaagt	tgcccggaaa	aaggtggaag	aggaagatga	agaacaggag	gaggaagaag	660
aggaggagga	ggaggaggag	gatgaataaa	gaaactgttt	atctgtctcc	ttgtgaatac	720
ttagagtagg	ggagcgccgt	aattgacaca	tctcttattt	gagaagtgtc	tgttgccctc	780
attaggttta	attacaaaat	ttgatcacga	tcatattgta	gtctctcaaa	gtgctctaga	840
aattgtcagt	ggtttacatg	aagtggccat	gggtgtctgg	agcaccctga	aactgtatca	900
aagttgtaca	tattttccaaa	cattttttaa	atgaaaaggc	actctcgtgt	tctcctcact	960
ctgtgcactt	tgctgttggt	gtgacaaggc	atttaaagat	gtttctggca	ttttcttttt	1020
atttgtaagg	tggtggtaac	tatggttatt	ggctagaaat	cctgagtttt	caactgtata	1080
tatctatagt	ttgtaaaaag	aacaaaacaa	ccgagacaaa	cccttgatgc	tccttgctcg	1140
gcgttgaggc	tgtggggaag	atgccttttg	ggagaggctg	tagctcaggg	cgtgcactgt	1200
gaggctggac	ctgttgactc	tgcagggggc	atccatttag	cttcaggttg	tcttgtttct	1260
gtatatagtg	acatagcatt	ctgctgccat	cttagctgtg	gacaaagggg	ggtcagctgg	1320


```

catgagaata ttttttttta agtgcggtag ttttttaaact gtttggtttt aaacaaacta 1380
tagaactctt cattgtcagc aaagcaaaga gtcactgcat caatgaaagt tcaagaacct 1440
cctgtactta aacacgattc gcaacgttct gttatttttt ttgtatgttt agaatgctga 1500
aatgtttttg aagttaaata aacagtatta cattttttaga actcttctct actataacag 1560
tcaatttctg actcacagca gtgaacaaac cccactccg ttgtatttgg agactggcct 1620
ccctataaat gtg 1633

```

<210> 789

<211> 200

<212> PRT

<213> Homo sapiens

<400> 789

```

Met Ala Lys Gly Asp Pro Lys Lys Pro Lys Gly Lys Met Ser Ala Tyr
 1          5          10          15
Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro
 20          25          30
Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg
 35          40          45
Trp Lys Thr Met Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala
 50          55          60
Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro
 65          70          75          80
Ala Lys Gly Gly Lys Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro
 85          90          95
Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys
100          105          110
Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly
115          120          125
Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr
130          135          140
Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr
145          150          155          160
Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala
165          170          175
Arg Lys Lys Val Glu Glu Glu Asp Glu Glu Glu Glu Glu Glu Glu
180          185          190
Glu Glu Glu Glu Glu Glu Asp Glu
195          200

```

<210> 790

<211> 457

<212> DNA

<213> Homo sapiens

<400> 790

```

ttcgctgtg ttgggaacgc ggcggagctg tgagccggcg actcgggtcc ctgaggtctg 60
gattctttct ccgctactga gacacggcgg acacacacaa acacagaacc acacagccag 120
tcccaggagc ccagtaatgg agagcccaa aaagaagaac cagcagctga aagtcgggat 180
cctacacctg ggcagcagac agaagaagat caggatacag ctgagatccc agtgcgcgac 240
atggaagggtg atctgcaaga gctgcatcag tcaaacaccg gggataaatc tggatttggg 300
ttcggcgctc aaggtgaaga taatacctaa agaggaacac tgtaaaatgc cagaagcagg 360
tgaagagcaa ccacaagttt aatgaagac aagctgaaac aacgcaagct ggttttatat 420

```

tagatatattg acttaaacta tctcaataaa gttttgc

457

<210> 791
 <211> 126
 <212> PRT
 <213> Homo sapiens

<400> 791
 Ser Pro Val Leu Gly Thr Arg Arg Ser Cys Glu Pro Ala Thr Arg Val
 1 5 10 15
 Pro Glu Val Trp Ile Leu Ser Pro Leu Leu Arg His Gly Gly His Thr
 20 25 30
 Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met Glu Ser
 35 40 45
 Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His Leu Gly
 50 55 60
 Ser Arg Gln Lys Lys Ile Arg Ile Gln Leu Arg Ser Gln Cys Ala Thr
 65 70 75 80
 Trp Lys Val Ile Cys Lys Ser Cys Ile Ser Gln Thr Pro Gly Ile Asn
 85 90 95
 Leu Asp Leu Gly Ser Gly Val Lys Val Lys Ile Ile Pro Lys Glu Glu
 100 105 110
 His Cys Lys Met Pro Glu Ala Gly Glu Glu Gln Pro Gln Val
 115 120 125

<210> 792
 <211> 461
 <212> DNA
 <213> Homo sapiens

<400> 792
 cggcggagct gtgagccggc gactcggggtc cctgaggtct ggattctttc tccgctactg 60
 agacacggcg gacacacaca aacacagaac cacacagcca gtcccaggag cccagtaatg 120
 gagagcccca aaaagaagaa ccagcagctg aaagtcggga tcctacacct gggcagcaga 180
 cagaagaaga tcaggataca gctgagatcc caggtgctgg gaagggaaat gcgcgacatg 240
 gaaggtgatc tgcaagagct gcatcagtc aacaccgggg ataaatctgg atttgggttc 300
 cggcgtcaag gtgaagataa tacctaaaga ggaacactgt aaaatgccag aagcaggtga 360
 agagcaacca caagttttaa tgaagacaag ctgaaacaac gcaagctggg tttatattag 420
 atatttgact taaactatct caataaagtt ttgcagcttt c 461

<210> 793
 <211> 108
 <212> PRT
 <213> Homo sapiens

<400> 793
 Arg Arg Ser Cys Glu Pro Ala Thr Arg Val Pro Glu Val Trp Ile Leu
 1 5 10 15
 Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn His Thr
 20 25 30
 Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln
 35 40 45
 Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile

50		55		60											
Arg	Ile	Gln	Leu	Arg	Ser	Gln	Val	Leu	Gly	Arg	Glu	Met	Arg	Asp	Met
65					70					75					80
Glu	Gly	Asp	Leu	Gln	Glu	Leu	His	Gln	Ser	Asn	Thr	Gly	Asp	Lys	Ser
				85					90					95	
Gly	Phe	Gly	Phe	Arg	Arg	Gln	Gly	Glu	Asp	Asn	Thr				
			100					105							

<210> 794

<211> 970

<212> DNA

<213> Homo sapiens

<400> 794

```

tgggctccca gagctcgggt cctttgcagc ctccaccctg gcgatggctc cctggtccta 60
ctttctctct caaactggct ttttctcatt cctttgactc cgccagactt cctcgccccc 120
atgacctggt gttgtgtctg atcaccccaa cattcctggc tgcccaatgt ggggcaatga 180
agaccccagt gaaggaatgc tagagtgtgt gaaagtggag gacgcatcgt caaaggacac 240
ctgaggacgt ctcaaagaag ctcggcggga gagctgagcg ctcggaagaa ccaagaatca 300
tctcttttga aaaatcgatt catcaaata gaatctcagc aacaactgtt caagaaggat 360
gcaaatatca cagtgttaga tgaactttct gggtgacacc tgacaggaag agcctctgta 420
ttggaccacc atgtttgtgc tcaactgtgt gtaacaaacc aacacaccaa aatagcggga 480
gttgccactg acaaagagtt gaatgatcaa atgacggcca aaggaggagg ttccgagaag 540
taaagctttg gaggtcacaa aattagcaat agaagctggg ttccgccata tagattctgc 600
tcattttatac aataatgagg agcaggttgg actggccatc cgaagcaaga ttgcagatgg 660
cagtgtgaag agagaagaca tattctacac ttcaaagctt tgggtccactt ttcacgacc 720
agagttggtc cgaccagcct tggaaaactc actgaaaaaa gctcaattgg actatgttga 780
cctctatctt attcattctc caatgtctct aaagccaggt gaggaacttt caccaacaga 840
tgaaaatgga aaagtaatat ttgacatagt ggatctctgt accacctggg aggccatgga 900
gaagtgtaag gatgcaggat tggccaagtc cattgggggtg tcaaacttca acccgcaggc 960
agctggagat                                     970

```

<210> 795

<211> 152

<212> PRT

<213> Homo sapiens

<400> 795

Arg	Pro	Lys	Glu	Glu	Val	Pro	Arg	Ser	Lys	Ala	Leu	Glu	Val	Thr	Lys
1				5					10					15	
Leu	Ala	Ile	Glu	Ala	Gly	Phe	Arg	His	Ile	Asp	Ser	Ala	His	Leu	Tyr
			20					25					30		
Asn	Asn	Glu	Glu	Gln	Val	Gly	Leu	Ala	Ile	Arg	Ser	Lys	Ile	Ala	Asp
		35					40					45			
Gly	Ser	Val	Lys	Arg	Glu	Asp	Ile	Phe	Tyr	Thr	Ser	Lys	Leu	Trp	Ser
	50					55				60					
Thr	Phe	His	Arg	Pro	Glu	Leu	Val	Arg	Pro	Ala	Leu	Glu	Asn	Ser	Leu
65					70					75					80
Lys	Lys	Ala	Gln	Leu	Asp	Tyr	Val	Asp	Leu	Tyr	Leu	Ile	His	Ser	Pro
			85						90					95	
Met	Ser	Leu	Lys	Pro	Gly	Glu	Glu	Leu	Ser	Pro	Thr	Asp	Glu	Asn	Gly
			100					105					110		
Lys	Val	Ile	Phe	Asp	Ile	Val	Asp	Leu	Cys	Thr	Thr	Trp	Glu	Ala	Met

115	120	125
Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn		
130	135	140
Phe Asn Pro Gln Ala Ala Gly Asp		
145	150	

<210> 796
 <211> 2435
 <212> DNA
 <213> Homo sapiens

<400> 796

atccactcgg	gccgcatcgc	cgcggtgcac	aacgtgccgc	tgagcgtgct	catccggccg	60
ctgccgtccg	tgttggaccc	cgccaagggtg	cagagcctcg	tggacacgat	ccgggaggac	120
ccagacagcg	tgccecccat	cgatgtcctc	tggatcaaag	gggcccaggg	aggtgactac	180
ttctactcct	ttgggggctg	ccaccgctac	gcggcctacc	agcaactgca	gcgagagacc	240
atccccgcca	agcttgtcca	gtccactctc	tcagacctaa	gggtgtacct	gggagcatcc	300
acaccagact	tgcagtagca	gcctccttgg	cacctgctgc	caccttcaag	agcccagaag	360
acacacctgg	cctccagcag	gctggggccat	gcagaaggga	tagcaggggt	gcattctctt	420
tgcacctggc	gagaggggtct	gactctgggc	acccctctca	ccagctacaa	ggccttggac	480
tcactgtaca	gtgtgggagc	cccagttccc	acctctgtga	caataggatc	atggccttac	540
ccttgaagca	ttaccgagaa	ggagaacaga	gatgggcttg	aagagccacg	tgctgccggc	600
tccaaattcc	caaggacaag	gatccctctg	catttttgtc	tatgtaacct	cttatatgga	660
ctacattcag	ctgcaaggaa	aggaaaacct	tgattgcagt	ggtttaaaca	aacagaagat	720
tgtttttcca	catagcatgg	attctggaga	tgggtggcta	atggtattgg	ttcaacaact	780
ccacgaaggt	aggggtcacg	tcttggatcc	ttttgcctta	atctcagtgc	tcgttacttc	840
atgggtcccaa	gatggctgct	gtatcccaa	gaatcatgtc	tgcgttcaag	gaaggagggg	900
tggaggaaga	ggaaggcca	aactagctgg	acccgtcacc	ttctatcaga	aagtaaaacc	960
tcgtcagaag	tctgtttcct	gctctctccc	tctgcatatc	ttcacttaga	tgcccttggc	1020
ccgagccagc	taccattgca	cctctagctg	caaacaaagc	taagacagca	gggaacagaa	1080
ttgtcatggc	tgaatagacc	aatcgtgttc	catctactga	gactggcaca	ctgcctcctg	1140
caataaaaact	gggatcccat	taccaagaga	gaaatgcaga	attgtgtacc	agttagcttt	1200
tgctgtgtaa	caaaccatcc	ccaaacttgg	cagctagaaa	caaaccctgt	attttcccac	1260
aatcctatgg	gttggcaatt	tgggctgggc	tcaacagggc	agttctgctg	ctcacacctg	1320
ggatccctca	tggagctaag	gtcagctggt	acctcagctg	ggcctggatg	gtctaggata	1380
gccttactca	cttgcctggc	aggtgacagg	ctgttggctg	gaattgcttg	gttctcctcc	1440
atgtggcctc	tccagcaggc	tagctcaggc	ttattcacat	gatggcttca	ggattccaaa	1500
gagagtgaga	gtagaagctg	aaagacttct	tgagttcttg	gcctggaact	gggactagga	1560
cagtgtcact	tctgctaagt	tcttttggtc	agagcaaatc	acaaggcttt	accagatttc	1620
aagggatgag	aaacagacta	catgtcttga	tgagggggaac	cacaaagagc	ttgtggccat	1680
ttttcaccta	tcacaaataa	ttttggatgg	gtattttatt	ggataaagg	atttccctct	1740
tccccctttc	tctctgtctc	atggggcctc	actctgccaa	gttggaaggc	actaagacat	1800
tgctcctggc	ctcaggggtct	aggggaagag	gtgttggggc	aggaagtgag	tctctccatg	1860
ggctggaccc	actgtagtag	gagtgcctcc	ttgtctgcac	tgctggatatg	gggttagggc	1920
aggtaggaca	ttccagaggg	gcttctgaaa	accaagagtc	cctggggaaa	gggaacagag	1980
taaggcaggc	cttgttctca	ctgccctcta	agggaacttg	gtcactcggc	actttttaagc	2040
ctcagtttct	ccagttcaat	aataaggaca	agagcttttc	ccatgcattc	tctttcccg	2100
ggaaagttag	ctgaggtgac	cagtaataga	attgaaaagg	gagagtgtct	tcagtgcaat	2160
gtggcatcct	ggattgggtc	ttggaacaaa	aacaggacat	tagtgggaaa	attggaaatc	2220
tgaaaaaagt	ctgaatttta	gttaatatat	caatttcagt	cyccttggtt	tgacagatgt	2280
accatggtga	tgtaagatgt	tgaccttggg	gtaggctggg	tgaagggtat	acaggaactc	2340
tttgtactat	ctctgcaact	tctctgtaaa	tctagtatca	ttccaaaata	aaagtttatt	2400
taattttaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaa			2435

<210> 797
 <211> 120
 <212> PRT
 <213> Homo sapiens

<400> 797
 Thr Thr Arg Pro Arg Thr Arg Gly Gln Arg Glu Ser Trp Arg His Leu
 1 5 10 15
 Ala Ser Gly Ala Gly Val Gly Leu Gly Thr Ala Gly Ser Arg Pro Asp
 20 25 30
 Arg Gly Gly Val Gly Gly Glu Thr Arg Ala Ala Leu Ala Arg Ala Pro
 35 40 45
 Pro Pro Gly Arg Ala Glu Trp Tyr Gly Pro Ala Gly Val Lys Ala Gly
 50 55 60
 Gly Arg Arg Arg Val Pro Arg Arg Arg Arg Arg Trp Gly Cys Val Gln
 65 70 75 80
 Glu Glu Arg Trp Ala Gly Pro Ala Arg Val Gly Gly Arg Pro Arg Gly
 85 90 95
 Pro Gly Arg Ala Ala Ala Arg Arg Ala Ala Ala Ser Thr Arg Ala Ala
 100 105 110
 Ser Pro Arg Cys Thr Thr Cys Arg
 115 120

<210> 798
 <211> 164
 <212> PRT
 <213> Homo sapiens

<400> 798
 Pro Arg Val Arg Gly Arg Val Gly Ser Ala Ser His Gly Gly Thr Trp
 1 5 10 15
 Arg Ala Glu Pro Glu Ser Gly Trp Gly Pro Arg Gly Arg Gly Arg Thr
 20 25 30
 Ala Ala Gly Ser Gly Glu Lys Arg Ala Leu Pro Trp His Gly Pro Pro
 35 40 45
 Pro Pro Ala Ala Arg Asn Gly Met Ala Arg Pro Glu Leu Arg Pro Gly
 50 55 60
 Gly Gly Gly Glu Ser Arg Gly Gly Gly Asp Asp Gly Ala Ala Cys Arg
 65 70 75 80
 Arg Asn Ala Gly Gln Gly Arg Arg Gly Ser Gly Gly Ala Arg Gly Ala
 85 90 95
 Arg Ala Glu Arg Arg Arg Ala Gly Arg Gln His Pro Leu Gly Pro His
 100 105 110
 Arg Arg Gly Ala Gln Arg Ala Ala Glu Arg Ala His Pro Ala Ala Ala
 115 120 125
 Val Arg Val Gly Pro Arg Gln Gly Ala Glu Pro Arg Gly His Asp Pro
 130 135 140
 Gly Gly Pro Arg Gln Arg Ala Pro His Arg Cys Pro Leu Asp Gln Arg
 145 150 155 160
 Gly Pro Gly Arg

<210> 799
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 799
 His Ala Ser Ala Asp Ala Trp Ala Ala Arg Val Met Ala Ala Pro Gly
 1 5 10 15
 Glu Arg Ser Arg Ser Arg Ala Gly Asp Arg Gly Val Glu Ala Gly Pro
 20 25 30
 Arg Arg Gly Arg Gly Arg Asn Ala Arg Cys Pro Gly Thr Gly Pro Pro
 35 40 45
 Pro Arg Pro Arg Gly Met Val Trp Pro Gly Arg Ser
 50 55 60

<210> 800
 <211> 2477
 <212> DNA
 <213> Homo sapiens

<400> 800
 gccttggcaa aaaagcacaa gcgaacccca gccctgattg ccctgcgcta ccagctacag 60
 cgtgggggttg tggtcctggc caagagctac aatgagcagc gcatcagaca gaacgtgcag 120
 gtgtttgaat tccagttgac ttcagaggag atgaaagcca tagatggcct aaacagaaat 180
 gtgcgatatt tgacccttga tattttttgct ggcccccccta attatccatt ttctgatgaa 240
 tattaacatg gagggcattg catgaggtct gccagaaggc cctgcgtgtg gatggtgaca 300
 cagaggatgg ctctatgctg gtgactggac acatcgccctc tggttaaatc tctcctgctt 360
 ggtgatttca gcaagctaca gcaaagccca ttggccagaa aggaaagaca ataattttgt 420
 tttttcattt tgaaaaaatt aaatgctctc tcctaaagat tcttcaccta ctttgggtctc 480
 cataacttct atgttttctt tccttctgac acactagtgc ccctaaattg tgatttgcct 540
 atacgttttag ggccgggggtt ggaagatggt aacaaccatt taagattcat ttctgcagtg 600
 ggagtgggtg gagtttcacc ctctgggaaa ggggcaggtg acaggtattt atcagtcagt 660
 gcctctctag ctcttgtagg aagaagcaca cgcaggatgg agtctagagg atgagcgata 720
 ttgactagca attcatgggc tcctccagc agtgcgaggg tcagagtttc tggagccttg 780
 ggaggaggca tccctgtgag gggggggttag ggagatggga gggcaccagg aaaagtgatt 840
 agaagtcagg tatgggaagg ctaaatagga cagagtcgag tacatctctg cttggaaaaa 900
 catatcaaca cccttttttt tgaacattat atcttgctca taaaagaaaa ctttccacat 960
 tgtttttaaca aaccccacag ctgagagtca ggctgaatc tttgatgtgt gccagtcac 1020
 agagttgacc ctattggttt gtggtggggc agggcatcaa agacatcatt gactaatcac 1080
 attcccctga atagctcata tttagaaaat attcttagat tctaaaaatg tactattaat 1140
 ttgtgatatt cagtctttta aatattttat acattaaaca ggcatagtta caaatataaa 1200
 acaaaaatat cccaaagcca ttatgcatgg cactcaagat taaaatggga aataatacat 1260
 ctaataaatc aaatgttcca agacttcaaa ggtcttttgg aaacaggcta tgtaaaacag 1320
 cacactggtt tcaaactttg gtaaatttta agaacaactc ttacaaaggc atttaattct 1380
 tatacataat tttcagggga cctaagttaa tcagctaatc atgaagacat gatttttcatt 1440
 ttagaaaaca cttttgaaaa cttgggataa tctcatgcct taatgatcaa agcattatga 1500
 gaaggacagt ggtttttaac ctgggcatat gttctaacac atttactctc cactattcgt 1560
 actctggttag ccatgttaac cccatcagag attccttctc aagccatgtc tcagagctga 1620
 gaggcattccc agcaagtttt gcagctcaca gttttttccg taaattactt attctataaa 1680
 attggagtag gccataaact ttggagggcc ctagaccaat tttttggatt atttttcgtc 1740
 ttctatcatt ccgctgatct tagatattct ctgcattaaa tattaaatat cacttctagg 1800
 ctgaaaaatc cccctaaaaa tattttctagc tcagattttt cctccaaatt ctgcaataga 1860


```

agatcacaat gtgaactctg catctccatg ttaaagtcta atggacattc acacttagca 1920
tgtctcaaag aaatctcatg taaaccatgg ccatcctggt ctaccttaac tttctgagtc 1980
tatggaatga taatttcaca tctcataaac ttgactgatg taagtgtcaa gaaaagattg 2040
acattttggt aaaagttagt agtgaagtgt gtaacgctta agcaaacttt catatttcaa 2100
atctcttttag caagtgtaac tcttttttca agatgtgaaa taatcattag gtcagtcatt 2160
tgtaaatagt acatctgcta tggacttttt ccagttcttc accatccatt tttataaaac 2220
tcttattggt aaaaaaaaaa ttactcagaa tttcataaag ccaaacacct gatttcagga 2280
acacttgaga tgtaagaaaa ttttataggg acctccaatc actaattttc ctattttttc 2340
tctcaaagaa atgctgaagg gaggaattca ggttgaatga aaggaaatag taacttacag 2400
ccatatagag ttataaagac ttcttgtaaa tgtgaacata tggtaaaata taaaaacatg 2460
tatttttgaa aaaaaaa 2477

```

```

<210> 801
<211> 1619
<212> DNA
<213> Homo sapiens

```

```

<400> 801
ggtagcgccc cgcttgcgct ccggcctcta ctcggcggtc atcgtctacg acgagcgagc 60
cccgcgcgcc gagagcctcc gcgaggacag caccgtgtcg ctgggtgggtgc aggcgctgag 120
ccgcaacgcc gagcgaccgc acatctgcct gctcaaaggc ggctatgaga ggttttcctc 180
cgagtaccca gaattctggt ctaaaaccaa ggccctggca gccatcccac ccccggttcc 240
ccccagtgcc acagagccct tggacctggg ctgcagctcc tgtgggacct cactacacga 300
ccaggggggt cctgtggaga tccttccctt cctctacctc ggcaagtgcct accatgctgc 360
ccggagagac atgctggacg ccctgggcat cacggctctg ttgaatgtct cctcggactg 420
cccaaaccac tttgaaggac actatcagta caagtgcac ccagtggaag ataaccacaa 480
ggccgacatc agctcctggt tcatggaagc catagagtag atcgatgccg tgaaggactg 540
ccgtggggcg gtgctgggtc actgccaggc gggcatctcg cggtcggcca ccatctgcct 600
ggcctacctg atgatgaaga aacgggtgag gctggaggag gccttcgagt tcgttaagca 660
gcgccgcagc attatctcgc ccaacttcag cttcatgggg cagctgctgc agttcgagtc 720
ccaggtgctg gccacgtcct gtgctgcgga ggctgctagc ccctcgggac ccctgcggga 780
gcggggcaag acccccgcca ccccccacct gcagttcgtc ttcagctttc cggctctccgt 840
gggcgtgcac tcggcccccga gcagcctgcc ctacctgcac agcccccata ccacctctcc 900
cagctgttag agccgcctcg ggggccccag aaccagagct ggctcccagc aagggtagga 960
cgggccgcat gcgggcagaa agttgggact gagcagctgg gagcaggcga ccgagctcct 1020
tccccatcat ttctccttgg ccaacgacga ggccagccag aatggcaata aggactccga 1080
atacataata aaagcaaaca gaacactcca acttagagca ataacggctg ccgcagcagc 1140
caggggaagac cttgggtttgg tttatgtgtc agtttcactt ttccgataga aatttcttac 1200
ctcatttttt taagcagtaa ggcttgaagt gatgaaacct acagatccta gcaaagtgtc 1260
ccaaccagct ttactaaagg gggaggaagg gagggcaaa ggatgagaag acaagtttcc 1320
cagaagtgcc tggttctgtg tacttgtccc tttgttgctg ttgttgtagt taaaggaatt 1380
tcatttttta aaagaaatct tcgaagggtg ggttttcatt tctcagtcac caacagatga 1440
ataattatgc ttaataataa agtattttatt aagactttct tcagagtatg aaagtacaaa 1500
aagtctagtt acagtggatt tagaatatat ttatgttgat gtcaaacagc tgagcaccgt 1560
agcatgcaga tgtcaaggca gttaggaaga attaggtttg aattgctttt taaaaaaaa 1619

```

```

<210> 802
<211> 3115
<212> DNA
<213> Homo sapiens

```

```

<400> 802
cgtccgcgga cgcgtgggct catcttgaga agcaggcggg ttgggtggga ggaggaagaa 60
agggaagaat taggtttgaa ttgctttttt aaaaaaaaaa aaaagaaaaa aaaagacagc 120

```

atctcactat gttgccaagg ctcatctcaa gctcttgggc tcaagagatc ctcccacctc 180
 ggcctcctga gtagctggga ctgcaggtgt gtgtcatcat gaccaatgtg aattgctttt 240
 gaagctgggt catgggcatg taggccaccg aagcaatttt agaccacagt aagtcaagct 300
 tttttccctc cgatgatcac tgggtgggtg cagcattttt tgcataaacc tgcctaagac 360
 ttgtctatcg tctgtgatca atatgccata ttacactaag gtgctcctgg aaaattgggt 420
 gcagttcaaa ttttcctaca gcaaatcatt tggcaaggcc agccattggg gaaaccagac 480
 aactagagat aaccctgaaa tgaatccttt tgtaaattga agcaccatct tttctttttt 540
 tgcataaatt ggaggtttta attttagggc agttacctga agtgaaatat accaacaatt 600
 tcttgtgttc tttaaattcc tagttaggtg aatatttttg aaggctcctt tttgaataaa 660
 gaggggaatg gacaccacat ttcaggtctt ctggaagtgt ggaagggcaa gagagcatca 720
 gtgagctgat ggtggattgc ttacatcgga ttccattggg atgaatttcc caaactggaa 780
 atcaaagcgc caggggtggg ttggggctga ctgctgggtg gggggctggc cgctggctcc 840
 cgtgacgtgc gtcatgggca cgcaggcgcc attttgaatc tatcgtcggc acgtgggtgc 900
 cattttgaat ccttagttgg gcctttctaa atggagaatg gctttggagg gagacacgtt 960
 ttctgtgggg aggttttggg ggggaggag gaggaacaa gctacatgct attttgtttg 1020
 tagtattgtg gaacagtctt gttatggagt gccagcttag aggttgttgc aaacttgtct 1080
 agaagtgaga gcatggtttt ttttagccct ttgagagtct acatctaatt aacattcttg 1140
 ctcaccata aataacgtca agcctcaatg tcaccgtcac gttgggatac tctttctcat 1200
 ctggcatcct agacaggaca aggttgggtta cctttccttc catgaaccat gaacctgtga 1260
 cggcatcatt catcctgact tcaccaagct ccgcctgtgg gtgaggccag agctcccact 1320
 ggcaattttt agaagagcca gaggtccctt gcttctctta gaaataacag ttcagggtga 1380
 agcatggagg gtttcagttc ccagacaatg gaaccattta gagacaacac agttggacat 1440
 ttccactttt tccttgattc ctggaagtcc agtgggttct gcagctgaaa aagccctggg 1500
 tcccagcagc agagagacag gacagagggg atgcttgggc ggggagggac ggtaacctgc 1560
 agaacagatt ccatttttat agaacgagta cacgtttgct aaaacagtcc tgctttccca 1620
 gactggattc ccaccacagg gacagtcgga actcaggact agctccagcg acatctttcc 1680
 tccgaattca agccttctat cacaatgtca aaacagctat ttataaagcc attttcattg 1740
 tacttgataa cagcacgagt cccaaaactt ttagaaataa aataggacat tggcttgatt 1800
 gaaaagaggg acttttttaa aattgttctt tcgtcagaag ccttttggat gacttacaat 1860
 agctctgatg aagataccac ccagcgtca gtccaatagg tcagtgagtt tcaacaggca 1920
 tccatccctc ccatgaaggg attctgggtg ggggaagtgt ctgtaatgac aggaaagcat 1980
 tgaccctcat tgattgtcaa ctttgggtatt agccatgaaa gacaggatgc tcattgggtg 2040
 ttctgtagag tgaggaatgc tgcctattcc ctcccagaac gtctgacca ggggtgtgtg 2100
 ttgaggagcc ctgggggaaa tggaccaagt tttcccacag agcagtatta ggctgaagag 2160
 caggtgactg gtagggccca gctcccatca ttccctccca aagccatttt gttcagttgc 2220
 tcatccacgc tggattccag agagttttcc aatttgggaa gccatgagaa aggtttttta 2280
 atcttgggaa gatggagaga gggacatagg atagttagct ccaacatgac aggaagaggc 2340
 tggagattgg gaattggcca tcaaccaagc ctgtagtagt aaagccatgg tcccgcattg 2400
 gaattacttg ggggaacttat acagtcttga taccagggt ctcctagacc agttcaacca 2460
 attctaggtg ggggactcag gcatcagtgt gtttcgtagc tcccgggtg ttttccctgt 2520
 gcagccgagc ttgggaaact gccatgcttt ttggatgtca aggcgctgtt ggaggctggg 2580
 tgtgacagca cagagccagg ttgtcttgtg gaaaccacag ccacgggttt gccactggct 2640
 cagcatggcc tcaactgccag tccagcctg gctgagggac aagatggttt ctcttgggag 2700
 ttctgtagtg gagcaccctt ccaggctttt tgaaagccag ctgatctgtg gagccttgtt 2760
 aagggactca atacggtgtt tggatattga tgtttttcct tgagactgtc ttgtccatca 2820
 ataaagatgg aggatgtctc ctctttgaac cccgcttccc caccagtact ctctctccct 2880
 tagagtttat gagttattca aggaggagac ttcttaaaga cagcaacgca attcttgtaa 2940
 cttgtgtaaa tagcccatc tttcagagtg ataccatttc tacatttgat aatgcctgta 3000
 ttctgttagg atgtatatag tttaggggat tttttttttg tttggttttg ttttttagaa 3060
 gtcaatatgt ctgggttttat ttattgcttg aaaaagatca tttgaaaaaa ataaa 3115

<210> 803

<211> 1238

<212> DNA

<213> Homo sapiens

<400> 803

```

cccgggttct cttctcttcc tcgcgcgccc agccgcctcg gttcccggcg accatggtga 60
cgatggagga gctgcgggag atggactgca gtgtgctcaa aaggctgatg aaccgggacg 120
agaatggcgg cggcgcgggc ggcagcggca gccacggcac cctggggctg ccgagcggcg 180
gcaagtgcct gctgctggac tgcagaccgt tcctggcgca cagcgcgggc tacatcctag 240
gttcgggtcaa cgtgcgctgt aacaccatcg tgcggcggcg ggctaagggc tccgtgagcc 300
tgagacagat cctgcccgcc gaggaggagg tacgcgcccg cttgcgctcc ggcctctact 360
cggcgggtcat cgtctacgac gagcgcagcc cgcgcgccga gagcctccgc gaggacagca 420
ccgtgtcgct ggtggtgcag gcgctgcgcc gcaacgccga gcgcaccgac atctgcctgc 480
tcaaaggcgg ctatgagagg ttttcctccg agtaccaga attctgttct aaaaccaagg 540
ccctggcagc catcccaccc ccggttcccc ccagcgccac agagcccttg gacctggact 600
gcagctcctg tgggacccca ctacacgacc aggagggtcc tgtggagatc cttcccttcc 660
tctacctcgg cagtgcctac catgctgccc ggagagacat gctggacgcc ctgggcatca 720
cggctctgtt gaatgtctcc tcggactgcc caaaccactt tgaaggacac tatcagtaca 780
agtgcacccc agtggaagat aaccacaagg ccgacatcag ctcttggttc atggaagcca 840
tagagtacat cgatgccgtg aaggactgcc gtgggcgcgt gctggtgcac tgccaggcgg 900
gcacctcgcg gtcggccacc atctgcctgg cctacctgat gatgaagaaa cgggtgaggc 960
tgaggagggc cttcgagttc gttaagcagc gccgcagcat catctcgccc aacttcagct 1020
tcatggggca gctgctgcag ttcgagtcct aggtgctggc cacgtcctgt gctgcggagg 1080
ctgctagccc ctgaggacc ctgggggagc ggggcaagac ccccgccacc cccacctcgc 1140
agttcgtctt cagcttttcc gtctccgtgg gcgtgcactc ggcccccagc agcctgcct 1200
acctgcacag ccccatcacc acctctccca gctgttag 1238

```

<210> 804

<211> 4637

<212> DNA

<213> Homo sapiens

<400> 804

```

ggtacgcgcc cgcttgcgct ccggcctcta ctcggcggtc atcgctctacg acgagcgcag 60
cccgcgcgcc gagagcctcc gcgaggacag caccgtgtcg ctggtggtgc aggcgctgcg 120
ccgcaacgcc gagcgcaccg acatctgcct gctcaaaggc ggctatgaga ggttttcctc 180
cgagtaccca gaattctgtt ctaaaaccaa ggccctggca gccatccac ccccggttcc 240
ccccagtgcc acagagccct tggacctggg ctgcagctcc tgtgggaccc cactacacga 300
ccaggggggt cctgtggaga tccttccctt cctctacctc ggcagtgcct accatgctgc 360
ccggagagac atgctggacg ccctgggcat cacggctctg ttgaatgtct cctcggactg 420
cccaaaccac tttgaaggac actatcagta caagtgcac ccagtggaag ataaccacaa 480
ggccgacatc agctcctggt tcatggaagc catagagtac atcgatgccg tgaaggactg 540
ccgtgggcgc gtgctggtgc actgccaggc gggcatctcg cggtcggcca ccatctgcct 600
ggcctacctg atgatgaaga aacgggtgag gctggaggag gccttcgagt tcgttaagca 660
gcgccgcagc attatctcgc ccaacttcag cttcatgggg cagctgctgc agttcgagtc 720
ccaggtgctg gccacgtcct gtgctgcgga ggctgctagc ccctcgggac ccctgcggga 780
gcggggcaag acccccgcc ccccccacctc gcagttcgtc ttcagctttc cggctctccgt 840
gggcgtgcac tcggccccca gcagcctgcc ctacctgcac agccccatca ccacctctcc 900
cagctgttag agccgccttg ggggccccag aaccagagct ggctcccagc aagggtagga 960
cgggccgcat gcgggcagaa agttgggact gagcagctgg gagcaggcga ccgagctcct 1020
tccccatcat ttctccttgg ccaacgacga ggccagccag aatggcaata aggactccga 1080
atacataata aaagcaaaca gaacactcca acttagagca ataacggctg ccgcagcagc 1140
cagggaagac cttggttttg tttatgtgtc agtttcaact ttccgataga aatttcttac 1200
ctcatttttt taagcagtaa ggcttgaagt gatgaaacct acagatccta gcaaatgtgc 1260
ccaaccagct ttactaaagg gggaggaagg gagggcaaag ggatgagaag acaagtttcc 1320
cagaagtgcc tggttctgtg tacttgtccc tttgttgctc ttgtttagt taaaggaatt 1380

```

tca	ttttttta	aaagaaatct	tcgaaggtgt	ggttttcatt	tctcagtcac	caacagatga	1440
ata	attatgc	ttaataataa	agtattttatt	aagactttct	tcagagtatg	aaagtacaaa	1500
aag	tctagtt	acagtggatt	tagaatatat	ttatgttgat	gtcaaacagc	tgagcaccgt	1560
agc	atgcaga	tgtcaaggca	gttaggaaga	attaggtttg	aattgctttt	ttaaaaaaaa	1620
agaaa	agaaa	aaaaaagaca	gcctctcact	atgttgccaa	ggctcatctc	aagctcttgg	1680
gct	caagaga	tcctcccacc	tcggcctcct	gagtagctgg	gactgcaggt	gtgtgtcatc	1740
atg	accaatg	tgaattgctt	ttgaagctgg	ttcatgggca	tgtaggccac	cgaagcaatt	1800
ttag	accaca	gtaagtcaag	ctttttttccc	tcgatgatc	actgggtggg	tgcagcattt	1860
tttg	cataaa	cctgcctaag	acttgtctat	cgtctgtgat	caatatgcc	tattacacta	1920
aggt	gctcct	ggaaaattgg	gtgcagttca	aatttttccta	cagcaaatac	tttggcaagg	1980
ccag	ccattg	gggaaaccag	acaactagag	ataaccctga	aatgaatcct	tttgtaaatt	2040
gaag	caccat	cttttctttt	tttgcataaa	ttggagggtt	taatttttagg	gcagttacct	2100
gaagt	gaaat	ataccaacaa	tttcttgtgt	tcttttaaatt	cctagttagg	tgaatatttt	2160
tga	aggtcct	cttttgaata	aagaggggaa	tggacaccac	atttcaggtc	ttctcgaagt	2220
gtg	gaagggc	aagagagcat	cagtgaagctg	atggtggatt	gcttacatcg	gattccattg	2280
gtat	gaattt	cccaaactgg	aaatcaaagc	gccaggggtg	ggttggggct	gactgctggg	2340
gag	gggggctg	gccgctgggt	cccgtgacgt	gcgtcatggg	cacgcaggcg	ccattttgaa	2400
tct	atcgtcg	gcacgtgggt	gccattttga	atccttagtt	gggcctttct	aaatggagaa	2460
tgg	cttttga	gggagacacg	ttttctgtgg	ggaggggttg	ggggggaggg	aggaggggaa	2520
aag	ctacatg	ctatttttgtt	tgtagtattg	tggaacagtc	ttgttatgga	gtgccagctt	2580
agag	gttgtt	gcaaacttgt	ctagaagtga	gagcatgggt	tttttttagcc	ctttgagagt	2640
ctac	atctaa	tgaacattct	tgtcaccca	taaataacgt	caagcctcaa	tgtcaccgtc	2700
acgt	tgggat	actcttttctc	atctggcatc	ctagacagga	caaggttggg	tacctttcct	2760
tcc	atgaacc	atgaacctgt	gacggcatca	ttcatcctga	cttcaccaag	ctccgcctgt	2820
gggt	gagggc	agagctccca	ctggcaattt	ttagaagagc	cagaggctcc	ctgcttcctc	2880
taga	aataac	agttcagggt	gaagcatgga	gggtttcagt	tcccagacaa	tggaaccatt	2940
taga	gacaac	acagttggac	atttccactt	tttccttgat	tcctggaagt	ccagtgggtt	3000
ctg	cagctga	aaaagccctg	ggtcccagca	gcagagagac	aggacagagg	ggatgcttgg	3060
gcg	gggaggg	acggtaacct	gcagaacaga	ttccattttt	atagaacgag	tacacgtttg	3120
ctaaa	acagt	cctgctttcc	cagactggat	tcccaccaca	gggacagtcg	gaactcagga	3180
ctag	ctccag	cgacatcttt	cctccgaatt	caagccttct	atcacaatgt	caaaacagct	3240
attt	tataaag	ccatttttcat	tgtacttgat	aacagcacga	gtcccaaaac	ttttagaaat	3300
aaa	ataggac	attggcttga	ttgaaaagag	ggacttttta	aaaattgttc	tttcgtcaga	3360
agc	cttttgg	atgacttaca	atagctctga	tgaagatacc	acccagcggt	cagtccaata	3420
ggt	cagtgag	tttcaacagg	catccatccc	tcccatgaag	ggattctggg	gagggggaagt	3480
ttct	gtaatg	acaggaaagc	attgaccctc	attgattgtc	aactttggta	ttagccatga	3540
aag	acaggat	gctcattggg	tgttctgtag	agtgagggaat	gctgcctatt	ccctcccaga	3600
acgt	ctgacc	caggggtgtg	tgttgaggag	ccctggggga	aatggaccaa	gttttcccac	3660
agag	cagtat	taggctgaag	agcaggtgac	tggtagggcc	cagctcccat	cattccctcc	3720
caa	agccatt	ttgttcagtt	gctcatccac	gctggattcc	agagagtttt	ccaatttggg	3780
aag	ccatgag	aaaggttttt	aaatcttggg	aagatggaga	gagggacata	ggatagttga	3840
ctcc	aacatg	acaggaagag	gctggagatt	gggaattggc	catcaaccaa	gcctgtagta	3900
gtaa	agccat	ggtcccgcac	tgggaattact	tgggggaactt	atacagttct	gatacccagg	3960
ctct	cctaga	ccagttcaac	caattctagg	tgggggactc	aggcatcagt	gtgttttcgta	4020
gct	ccccggg	tgttttccct	gtgcagccga	gcttgggaaa	ctgccatgct	ttttggatgt	4080
caag	gcgctg	ttggaggctg	ggtgtgacag	cacagagcca	ggttgtcttg	tggaaaccac	4140
agcc	acgggt	ttgccactgg	ctcagcatgg	cctcactgcc	agtcccagcc	tggctgaggg	4200
aca	agatggg	ttctcttggg	agttcctgag	tggagcacc	ttccaggctt	tttgaaagcc	4260
agct	gatctg	tggagccttg	ttaagggact	caatacgggtg	tttggaatatt	gatgtttttc	4320
cttg	agactg	tcttgtccat	caataaagat	ggaggatgtc	tcctctttga	accccgcttc	4380
ccc	accagta	ctctctctcc	cttagagttt	atgagttatt	caaggaggag	acttcttaaa	4440
gac	agcaacg	caattcttgt	aacttgtgta	aatagcccca	tcttttcagag	tgataccatt	4500
tct	acatttg	ataatgcctg	tattcctgta	ggatgtatat	agtttagggg	attttttttt	4560
tgt	tttggtt	tgttttttag	aagtcaatat	gtctggtttt	att		

catttgaaaa aaataaa

4637

<210> 805

<211> 394

<212> PRT

<213> Homo sapiens

<400> 805

Met	Val	Thr	Met	Glu	Glu	Leu	Arg	Glu	Met	Asp	Cys	Ser	Val	Leu	Lys
1				5				10						15	
Arg	Leu	Met	Asn	Arg	Asp	Glu	Asn	Gly	Gly	Gly	Ala	Gly	Gly	Ser	Gly
			20					25					30		
Ser	His	Gly	Thr	Leu	Gly	Leu	Pro	Ser	Gly	Gly	Lys	Cys	Leu	Leu	Leu
		35					40					45			
Asp	Cys	Arg	Pro	Phe	Leu	Ala	His	Ser	Ala	Gly	Tyr	Ile	Leu	Gly	Ser
	50					55					60				
Val	Asn	Val	Arg	Cys	Asn	Thr	Ile	Val	Arg	Arg	Arg	Ala	Lys	Gly	Ser
65					70					75					80
Val	Ser	Leu	Glu	Gln	Ile	Leu	Pro	Ala	Glu	Glu	Glu	Val	Arg	Ala	Arg
				85					90					95	
Leu	Arg	Ser	Gly	Leu	Tyr	Ser	Ala	Val	Ile	Val	Tyr	Asp	Glu	Arg	Ser
			100					105					110		
Pro	Arg	Ala	Glu	Ser	Leu	Arg	Glu	Asp	Ser	Thr	Val	Ser	Leu	Val	Val
		115					120					125			
Gln	Ala	Leu	Arg	Arg	Asn	Ala	Glu	Arg	Thr	Asp	Ile	Cys	Leu	Leu	Lys
	130					135					140				
Gly	Gly	Tyr	Glu	Arg	Phe	Ser	Ser	Glu	Tyr	Pro	Glu	Phe	Cys	Ser	Lys
145					150				155						160
Thr	Lys	Ala	Leu	Ala	Ala	Ile	Pro	Pro	Pro	Val	Pro	Pro	Ser	Ala	Thr
				165					170					175	
Glu	Pro	Leu	Asp	Leu	Asp	Cys	Ser	Ser	Cys	Gly	Thr	Pro	Leu	His	Asp
			180				185					190			
Gln	Glu	Gly	Pro	Val	Glu	Ile	Leu	Pro	Phe	Leu	Tyr	Leu	Gly	Ser	Ala
		195					200					205			
Tyr	His	Ala	Ala	Arg	Arg	Asp	Met	Leu	Asp	Ala	Leu	Gly	Ile	Thr	Ala
	210					215					220				
Leu	Leu	Asn	Val	Ser	Ser	Asp	Cys	Pro	Asn	His	Phe	Glu	Gly	His	Tyr
225					230					235					240
Gln	Tyr	Lys	Cys	Ile	Pro	Val	Glu	Asp	Asn	His	Lys	Ala	Asp	Ile	Ser
				245				250						255	
Ser	Trp	Phe	Met	Glu	Ala	Ile	Glu	Tyr	Ile	Asp	Ala	Val	Lys	Asp	Cys
			260					265					270		
Arg	Gly	Arg	Val	Leu	Val	His	Cys	Gln	Ala	Gly	Ile	Ser	Arg	Ser	Ala
		275					280					285			
Thr	Ile	Cys	Leu	Ala	Tyr	Leu	Met	Met	Lys	Lys	Arg	Val	Arg	Leu	Glu
	290					295					300				
Glu	Ala	Phe	Glu	Phe	Val	Lys	Gln	Arg	Arg	Ser	Ile	Ile	Ser	Pro	Asn
305					310					315					320
Phe	Ser	Phe	Met	Gly	Gln	Leu	Leu	Gln	Phe	Glu	Ser	Gln	Val	Leu	Ala
				325					330					335	
Thr	Ser	Cys	Ala	Ala	Glu	Ala	Ala	Ser	Pro	Ser	Gly	Pro	Leu	Gly	Glu
			340					345					350		
Arg	Gly	Lys	Thr	Pro	Ala	Thr	Pro	Thr	Ser	Gln	Phe	Val	Phe	Ser	Phe
		355					360					365			

<212> DNA
 <213> Homo sapiens

<400> 807

gtttgaaagt	gtgtagcacc	tccaccttct	ctctctctct	ccctctccct	ctcctgccag	60
ccaagtgaag	acatgcttac	ttcccccttca	ccttccttca	tgatgtggga	agagtgctgc	120
aacccagccc	tagccaacgc	cgcatgagag	ggagtgtgcc	gagggcttct	gagaagggtt	180
ctctcacatc	tagaaagaag	cgcttaagat	gtggcagccc	ctcttcttca	agtggctctt	240
gtcctgttgc	cctgggagtt	ctcaaattgc	tgcagcagcc	tccacccagc	ctgaggatga	300
catcaataca	cagaggaaga	agagtcagga	aaagatgaga	gaagttacag	actctcctgg	360
gcgaccccg	gagcttacca	ttcctcagac	ttcttcacat	ggtgctaaca	gatttggtcc	420
taaaagtaaa	gctctagagg	ccgtcaaatt	ggcaatagaa	gccgggttcc	accatattga	480
ttctgcacat	gtttacaata	atgaggagca	ggttggactg	gccatccgaa	gcaagattgc	540
agatggcagt	gtgaagagag	aagacatatt	ctacacttca	aagctttgga	gcaattccca	600
tcgaccagag	ttggtccgac	cagccttgga	aaggctactg	aaaaatcttc	aattggacta	660
tgttgacctc	tatcttattc	attttccagt	gtctgtaaag	ccaggtgagg	aagtgatccc	720
aaaagatgaa	aatggaaaaa	tactatttga	cacagtggat	ctctgtgcca	catgggaggg	780
catggagaag	tgtaaagatg	caggattggc	caagtccatc	ggggtgtcca	acttcaacca	840
caggctgctg	gagatgatcc	tcaacaagcc	agggtcaag	tacaagcctg	tctgcaacca	900
ggtggaatgt	catccttact	tcaaccagag	aaaactgctg	gatttctgca	agtcaaaaaga	960
cattgttctg	gttgccctata	gtgctctggg	atcccatcga	gaagaaccat	gggtggaccc	1020
gaactccccg	gtgctcttgg	aggacccagt	cctttgtgcc	ttggcaaaaa	agcacaagcg	1080
aacccccagcc	ctgattgccc	tgcgctacca	gctgcagcgt	ggggttgtgg	tcctggccaa	1140
gagctacaat	gagcagcgca	tcagacagaa	cgtgcagggtg	tttgaattcc	agttgacttc	1200
agaggagatg	aaagccatag	atggcctaaa	cagaaatgtg	cgatatattga	cccttgatat	1260
ttttgctggc	ccccctaatt	atccattttc	tgatgaatat	taacatggag	ggcattgcat	1320
gaggtctgcc	agaaggccct	gcgtgtggat	ggtgacacag	aggatggctc	tatgctgggtg	1380
actggacaca	tcgctcttgg	ttaaatctct	cctgcttggc	gacttcagta	agctacagct	1440
aagcccatcg	gccggaaaaag	aaagacaata	attttgtttt	tcatttttgaa	aaaattaaat	1500
gctctctcct	aaagattctt	cacctacttt	ggtctccata	acttctatgt	tttctctcct	1560
tctgacacac	tagtgccccc	aaattgtgat	ttgcctatac	gtttagggcc	gggattggaa	1620
gatgttaaca	accattttaag	attcattttc	gcagtgggag	tgggtggagt	ttcaccctct	1680
gggaaagggg	caggtgacag	gtatttatca	gtcagtgcct	ctctagctct	tgtaggaaga	1740
agcacacgca	ggatggagtc	tagaggatga	gcgatattga	ccagcaattc	atgggctccc	1800
tccagcagtg	cgagggtcag	agtttctgga	gccttgggag	gaggcaacc	tgtgaggggg	1860
ggttagggag	atgggagggc	accaggaaaa	gtgattagaa	gtcagggtatg	ggaaggctaa	1920
ataggacaga	gtcgagtaca	tctctgcttg	gaaaaacata	tcaacaccct	ttttttttga	1980
tcattatata	ttgttcataa	aagaaaactt	tccacattgt	tttaacaaac	cccacagctg	2040
agagtcaggc	ctgaatcttt	gatgtgtgcc	cattcacacac	gttgacccta	ttggtttgtg	2100
gtggggcagg	acatcgaaga	tatcattgac	taatcacatt	cccctgaata	gctcatattt	2160
agaaaatatt	cttagattgt	aaaaatgtac	tgttcatttg	ttatatattca	tcttttaaat	2220
gttttatact	ttaaacaagg	catagttaca	agtataaaac	ataaatatcc	caaagccatt	2280
atgcatggca	ctcaagatta	aaatgggaaa	taatacatct	aataaatcaa	atgttccaag	2340
acttcaaattg	tcttttggaa	acaggctatg	taaaacagca	cactgggttc	aaacttttgt	2400
aaattttaag	aagaactctt	acaaaggcat	ttaattctta	tacataattt	tcaggggacc	2460
taagttaatc	agctaatacat	gaagacatga	ttttcgtttt	agaaaacact	tttgaaaact	2520
tgggataatc	tcatgtctta	atgatcaaag	cattatgaga	aggacagtgg	ttttttacct	2580
gggcacactt	tctaacacat	ttactctcca	ctattcgtac	tctggtagcc	acgttaaccc	2640
catcagagat	tccttctcaa	gccatgtctc	agagctgata	ggcatcccag	caagttttgc	2700
agctcacaat	ttttctgtaa	attacttatt	ctataaaatt	ggaagaggcc	ataaactttg	2760
gagggcccta	gaccaatttt	ttggattatt	tctgggtctac	tctcattccg	ttgatgatct	2820
tagatattct	ctgcattaaa	tatcacctct	aggctgagaa	atccacaaaa	aaatatattct	2880
agctcagcgt	tttctcccaa	atcttcaatg	gaagatcata	atgtgaactc	tgcattctcca	2940
tgttaaagtt	taatggacat	tcacatttag	catgtctcaa	agaaatctca	tgtaaaccat	3000

bioRxiv preprint doi: <https://doi.org/10.1101/000000>; this version posted January 1, 2014. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.

Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser Leu Pro Tyr Leu
 370 375 380
 His Ser Pro Ile Thr Thr Ser Pro Ser Cys
 385 390

<210> 806
 <211> 302
 <212> PRT
 <213> Homo sapiens

<400> 806
 Val Arg Ala Arg Leu Arg Ser Gly Leu Tyr Ser Ala Val Ile Val Tyr
 1 5 10 15
 Asp Glu Arg Ser Pro Arg Ala Glu Ser Leu Arg Glu Asp Ser Thr Val
 20 25 30
 Ser Leu Val Val Gln Ala Leu Arg Arg Asn Ala Glu Arg Thr Asp Ile
 35 40 45
 Cys Leu Leu Lys Gly Gly Tyr Glu Arg Phe Ser Ser Glu Tyr Pro Glu
 50 55 60
 Phe Cys Ser Lys Thr Lys Ala Leu Ala Ala Ile Pro Pro Pro Val Pro
 65 70 75 80
 Pro Ser Ala Thr Glu Pro Leu Asp Leu Gly Cys Ser Ser Cys Gly Thr
 85 90 95
 Pro Leu His Asp Gln Gly Gly Pro Val Glu Ile Leu Pro Phe Leu Tyr
 100 105 110
 Leu Gly Ser Ala Tyr His Ala Ala Arg Arg Asp Met Leu Asp Ala Leu
 115 120 125
 Gly Ile Thr Ala Leu Leu Asn Val Ser Ser Asp Cys Pro Asn His Phe
 130 135 140
 Glu Gly His Tyr Gln Tyr Lys Cys Ile Pro Val Glu Asp Asn His Lys
 145 150 155 160
 Ala Asp Ile Ser Ser Trp Phe Met Glu Ala Ile Glu Tyr Ile Asp Ala
 165 170 175
 Val Lys Asp Cys Arg Gly Arg Val Leu Val His Cys Gln Ala Gly Ile
 180 185 190
 Ser Arg Ser Ala Thr Ile Cys Leu Ala Tyr Leu Met Met Lys Lys Arg
 195 200 205
 Val Arg Leu Glu Glu Ala Phe Glu Phe Val Lys Gln Arg Arg Ser Ile
 210 215 220
 Ile Ser Pro Asn Phe Ser Phe Met Gly Gln Leu Leu Gln Phe Glu Ser
 225 230 235 240
 Gln Val Leu Ala Thr Ser Cys Ala Ala Glu Ala Ala Ser Pro Ser Gly
 245 250 255
 Pro Leu Arg Glu Arg Gly Lys Thr Pro Ala Thr Pro Thr Ser Gln Phe
 260 265 270
 Val Phe Ser Phe Pro Val Ser Val Gly Val His Ser Ala Pro Ser Ser
 275 280 285
 Leu Pro Tyr Leu His Ser Pro Ile Thr Thr Ser Pro Ser Cys
 290 295 300

<210> 807
 <211> 3829

```

ggccatcctg ttctacctta actttctgag tctatggaat gataatttca catctcataa 3060
acttgactga tgtaagtgtc aagaaaagat tgacattttg ttaaaacttc gtagccaagt 3120
gtgtaacgct taagcagact ttcataattc aaatctctat agcacgtgta actctttttt 3180
caagatgtga aataatcatt aggtcagtca ttgttaaata gtacagctgc tgtgggcttt 3240
ttccagttct tcaccatcca tttttataaa actcttattg ttaaaaaaaa aaagttactc 3300
agaatttcat aaagccaaac acctgatttc aggaacactt gagatgtaag aaaattttat 3360
agggacctcc aatcactaat tttcctatth tttctctcaa agaatgctg aagggaggaa 3420
ttcagggtga atgaaaggaa atagtaactt acagccatat agagttataa agacttcttg 3480
taaagtgtga catatggtaa aatataaaaa catgtatttt tgaaaaaatg gattctactc 3540
attattttac ttccatttaa gatataaatg tagagaaata agtataattc taagctaata 3600
cgtacgcaat gtaggaagct gtaattactg accaaaacta tgtgaagtgg agaaaacctg 3660
gggaagtggg tgggttttaga tgaaactgaa gttaaattca tattgattta aagtaaattg 3720
ttataacttt ataaagttht tcatcatcac cacagcaatc acaaagagaa taattatgaa 3780
tatacgcaag aggaaatgag aagggaatcc aaatgtcatt aaaaaaaaaa 3829

```

<210> 808

<211> 781

<212> DNA

<213> Homo sapiens

<400> 808

```

gcggcggagc tgtgagccgg cgactcgggt ccttgagggtc tggattcttt ctccgctact 60
gagacacggc gggtaggtcc acaggcagat ccaactggga gttgaagtgt gtaggagagt 120
gaagaggaac cagcaggctt ccggagggtt gtgtgggtcag tgactcagag tgagaaggcc 180
ctcgaagtcg tcgtccctct catgcgggtgc cagcggcatg gaccttcttg tctcgtcacg 240
gccataacta gggaggaagg agggccgagg agtggagggg ctcaggcgaa gctgggggtgc 300
tggtgggggt atccgagtc cagaagcacc tggaaccccg acagaagatt ctggactccc 360
cagacgggac caggagaggg acggcatgag cgacacacac aaacacagaa ccacacagcc 420
agtcccagga gcccagtaat ggagagcccc aaaaagaaga accagcagct gaaagtcggg 480
atcctacacc tgggcagcag acagaagaag atcaggatac agctgagatc ccagtgcgcg 540
acatggaagg tgatctgcaa gagctgcac agtcaaacac cggggataaa tctggatttg 600
ggttccggcg tcaaggtgaa gataatacct aaagaggaac actgtaaaat gccagaagca 660
ggtgaagagc aaccacaagt ttaaatgaag acaagctgaa acaacgcaag ctggttttat 720
attagatatt tgacttaaac tatctcaata aagttttgca gctttcacca aaaaaaaaaa 780
a 781

```

<210> 809

<211> 160

<212> PRT

<213> Homo sapiens

<400> 809

```

Met Arg Cys His Ala His Gly Pro Ser Cys Leu Val Thr Ala Ile Thr
 1          5          10          15
Arg Glu Glu Gly Gly Pro Arg Ser Gly Gly Ala Gln Ala Lys Leu Gly
          20          25          30
Cys Cys Trp Gly Tyr Pro Ser Pro Arg Ser Thr Trp Asn Pro Asp Arg
          35          40          45
Arg Phe Trp Thr Pro Gln Thr Gly Pro Gly Glu Gly Arg His Glu Arg
          50          55          60
His Thr Gln Thr Gln Asn His Thr Ala Ser Pro Arg Ser Pro Val Met
65          70          75          80
Glu Ser Pro Lys Lys Lys Asn Gln Gln Leu Lys Val Gly Ile Leu His
          85          90          95

```

Leu	Gly	Ser	Arg	Gln	Lys	Lys	Ile	Arg	Ile	Gln	Leu	Arg	Ser	Gln	Cys
			100					105					110		
Ala	Thr	Trp	Lys	Val	Ile	Cys	Lys	Ser	Cys	Ile	Ser	Gln	Thr	Pro	Gly
		115					120					125			
Ile	Asn	Leu	Asp	Leu	Gly	Ser	Gly	Val	Lys	Val	Lys	Ile	Ile	Pro	Lys
	130					135					140				
Glu	Glu	His	Cys	Lys	Met	Pro	Glu	Ala	Gly	Glu	Glu	Gln	Pro	Gln	Val
145					150					155					160

<210> 810

<211> 624

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 74

<223> n = A,T,C or G

<400> 810

```

atganaagga gatgacacaa aagttagatc tcatcacaag tgatttggca gattaccagc 60
agccctcat gatnggcacc gggacagtca cgaggaaggg ctccaccttc cggcccatgg 120
acacggatgc cgaggaggca ggggtgagca ccgatgccgg cggccactat gactgcccgc 180
agcgggcccgg ccgccacgag tacgcgctgc ccctggcgcc cccggagccc gactacgcca 240
cgcccatcgt ggagcggcac gtgctgcgcg cccacacgtt ctctgcgcag agcggctacc 300
gcgctcccagg gccccagccc ggccacaaac actccctctc ctcgggcggc ttctcccccg 360
tagcgggtgt gggcgcccag gacggagact atcaaaggcc acacagcgca cagcctgcgg 420
acaggggcta cgaccggccc aaagctgtca gcgccctcgc caccgaaagc ggacaccctg 480
actctcagaa gcccacaacg catcccggga caagtgcag ctattctgcc cccagagact 540
gcctcacacc cctcaaccag acggccatga ctgccctttt gtgaacacaa tgtgaaagaa 600
gcctgctgtg gtactgagcg tcgg                                     624

```

<210> 811

<211> 572

<212> DNA

<213> Homo sapiens

<400> 811

```

agcgggctgt gaggacgctc tgggccaggc tgcagcgcca gcgttccgag ctgctgggct 60
ctttcgagga tgttctgata cgcgcgctcg cctgcctgga ggaggcggcc cgggagcgcg 120
acggcctgga gcaggcgctg cggaggcgcg agagcgagca cgagagggag gtgcgcgctc 180
tgtacgagga gacggagcag cttcgggagc agagccggcg cccgccgagt cagaacttcg 240
cccgcgggga gcggagaagc cgtctggagc tggagctgca gatccgcgag caggacctgg 300
aacgcgcggg cctgcggcag cgggagttag agcagcagct gcacgcccag gctgcggagc 360
acctggaggc acaggcccag aactcccagc tgtggcgggc gcacgaggcg ctgcgaacgc 420
agctggaggg ggcgaggag cagatccgca ggctggagag cgaagcacga ggccgcccag 480
agcaaaccga acgagacgtg gtcgccgtct ccaggaacat gcagaaagag aaagtcagcc 540
tgctacggca actggagctg ctcagggagc tg                                     572

```

<210> 812

<211> 594

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 45
 <223> n = A,T,C or G

<400> 812
 cggaagttgg cgcagcgcgg ttgccaatgg tcgctccctg atttnatgcc gctcgtgggtg 60
 ttttgcgggc tgccgtacag cggcaagagc cggcgtgctg aagagttgcg cgtggcgctg 120
 gctgccgagg gccgcgcggt gtacgtgggtg gacgacgcag ctgtcctggg cgcagaggac 180
 ccagcgggtgt acggcgattc tgcccgtgag aaggcattgc gtggagctct gcgagcctcc 240
 gtggaacggc gcctgagtcg ccacgacgtg gtcctcctgg actcgcttaa ctacatcaaa 300
 ggtttccggt acgagctcta ctgcctggca cgggcggcgc gcaccccgct ctgcctgggtc 360
 tactgcgtac ggcccggcgg cccgatcgcg ggacctcagg tggcggggcgc gaacgagAAC 420
 cctggccgga acgtcagtgt gagttggcgg ccacgcgctg aggaggacgg gagagcccag 480
 gcggcgggca gcagcgtcct cagggaactg catactgcgg actctgtagt aaatggaagt 540
 gcccaggccg acgtacccaa ggaactggag cgagaagaat ccggggctgc ggag 594

<210> 813
 <211> 561
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 121, 352, 368, 440, 445, 486, 497, 516, 528, 540, 550, 552
 <223> n = A,T,C or G

<400> 813
 tctgacacac gagaccggtt atcccatctc cgcgcccctc tgtgggtatt acacagccac 60
 tagatgaagc caaacattgt tggaggtagt gaaatcttag actccaccat gtgtccagga 120
 ncccattgac gtcctctctt ctgaaaactc cgtgtggccc tcgctctgca ctgtcatgag 180
 gcggtgatgg agctagatac ccaccacgga caatgatcat cagtttgggg ttctctgggt 240
 ctcacaggga cgcacattct aggggtagca cgacactccc cctgtagttg ctccacacaa 300
 acgggatctc tcatccaggc gatacgtctg gtcctgtggc atgtggctct cnacgaaaca 360
 ccagggangc attatgttgg ggacttcttg gggctctgct ggtctctgct ccagacacga 420
 ttaatccgaa atgtgttaan tcgancacat ggggccacgt ccaggacagc tcccatcgaa 480
 ctctcnaggc tctctanctc agggatgaag gaggtnaagt gatcgatnct cacaagcgan 540
 agctctcgcn cnatatctgc g 561

<210> 814
 <211> 307
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 6, 9, 24, 26, 45, 46, 63, 64, 73, 81, 82, 91, 95, 138,
 148, 151, 188, 205, 206, 212, 223, 229, 234, 242, 245, 248,
 252, 258, 262, 270, 278, 280, 301
 <223> n = A,T,C or G

<400> 814
 cntcgnngng ttggttgtgt gggntnttct cgggtgattg ggtgnnatta ctggacccaa 60

```

ccnncgtgga aanggctggg nncgcggccg ntctngcaga agtatcccga tttttttttt 120
tttttttttt tttttggngg agggaaantt ncagacatag ctttattgct gactcctgcc 180
cccttcanag ccctagtcac aggcnnccagg gntgttttgt aanttaaant ttcnggaaaa 240
tngngtntt tntgcatnca anagaagggn tgccaaangn ggggtattgc ttctgggtgg 300
nttacct 307

```

```

<210> 815
<211> 784
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 596, 656, 727, 763, 768
<223> n = A,T,C or G

```

```

<400> 815
ggcacgagat ataatcagac tcttactcct gtacttctag aaatgatgca aacacttcaa 60
ggacccacaa atgtggaaga tatgaatgca ctgttaatca aagatgctgt gtataatgct 120
gttgatttaa gctgcttatg agctctttga cagtgttgat tttgatcagt ggtttaaaaa 180
ccagcttctt ccagaattac aagtcattca caataggtat aagccattgc gacgcagggt 240
gatttggctc atcggtcagt ggatttctgt gaaattcaag tctgacttaa gacccatgct 300
ttatgaagca atctgtaact tgcttcaaga tcaagattta gtggccgtat tgaaacagct 360
acaactttga agttaactgt tgatgatattt gaatttagaa cagatcagtt tctaccgtat 420
ttggaaacca tggtcacact actttttcag ttactgcagc aagttacaga atgtgacaca 480
aagatgcatg ttttgcatgt cctttcttgt gtgatcgaaa gagtcaacat gcagatacga 540
ccatatgtgg gatgtttggg acaatatattg cccctccttt ggaagcagaa gtgaanaaca 600
caatatgttg agatgtgcta ttttgaccac acttattcat cttggtcagg gattangagc 660
agacagcaag acctgtccct ttccctgctcc agttattcac tgagtaccag atgtttcaca 720
gccttcncat gtttatTTTT ctggaaaatg gggttaaaaat atnggtanga acctttggga 780
aaac 784

```

```

<210> 816
<211> 813
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 740, 788, 790, 798, 811
<223> n = A,T,C or G

```

```

<400> 816
ggcacgagca ggctgggaag aagtccttgc ttctcaaggc cacgtaccgg ccgcgtcctt 60
ccacccttgc cctttaaaacc acagatgccca aatgatacgc caacagacac tacattcccc 120
agcagctgct gccagagccc tcttgtagct tctttatttt ctgtttcttt ccagctttcc 180
taccctccta tcccccttg tgtttgggcc acaattttga aataattttt attataggta 240
tgtgctgcca aagccagatt tttataagggt aaaataaatt aagaatttaa acagtaaaag 300
ccagtgtctc aaaatgtcag cattaataatg tgaaggggac agcagggtgt gaaccggaaa 360
cacacattgc caaacagttg ccaactgaac tgctgcttct catgggccgt tcttttcttt 420
gcccttaagg tcaatgccag tgtccagacg agcagtgtag aaaagctccc tgtgtgggtt 480
gtcgtgaggt ctgcttgat ctcttcaact gcgttagttt cattagctct ttattctcct 540
tacgttcgag tgaatctgcc aagaacactg gtggatagta ttatcctaac acttttggtt 600
tgggggcccc gagggggcag ggaatagtga gctggcttta ccacctcag gatctcgaat 660

```

```

tgggcgcttg aacctaagaa agattgtgga cttatcaaaa gtcaccgctc agtgttcgtc 720
aagcatgtat ttatgtgaen atcatactag ggaggggatg gttgggaatt cttccatgtg 780
caaatttngn cccgcaanaa gcaaaactgg ngt 813

```

```

<210> 817
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 30, 57, 102, 112, 124, 222
<223> n = A,T,C or G

```

```

<400> 817
gaaactttta cattaatgat ttattaaaan aaacaactcc ttgtcccact ccactgngct 60
gcttgtaatc tccatacatg gcctccattt tcaactgttt tnttggtcac anagctccaa 120
acanacacat ttttttttcc aggtaaaagc tgttttttagt ttgtagtaca aatgtgactg 180
catccaatac tgacacattg ttcctttggc ccacagtccc antcaccac 229

```

```

<210> 818
<211> 781
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 355, 437, 539, 557, 569, 593, 608, 635, 636, 653, 654, 662,
665, 674, 697, 699, 708, 724, 734, 743, 755, 763, 764, 769,
775
<223> n = A,T,C or G

```

```

<400> 818
ggcacgaggt gtgtgtgtgt gtgtgtgtgt aacacatggg cattgggtcct tccaggacaa 60
cttggttagg gctccagggt ggctctcag gcaggaacag gcttttttcc tcctgtcttt 120
tcctcacatc acgtcctgcc ccagggtcact gcataaataa gtgcttttga aagtattcat 180
ctagaaagta acataaatac tgtacataga aaagggttgc cgccccttag ccttcgcact 240
gccccagaga gctctccaca tattgcacac ggctcccca gccctgtggg gtccaggcct 300
ggctgtgtct ttggtagaag cttcagggtc agttcctggg cagccccac atctncacce 360
tgctcccaa ggggagctct agggtagtca gtgggtacca gaagccttgc tcggcctcgc 420
tggtggcctt ctaccangga tgctttcaca aggatgagac agaatcccaa tggtagccc 480
ctgcttggac actctgctca aggtctgcat gtggcctggg aggagacagg caggctgang 540
gcagggtggac aggtgantcc tggccacana aggcaggctc acacccttca cangaatagg 600
tggtttngc tgtcatctcg gccacggtc tcctnntgcg ccaccccccc ttnttgaatc 660
gnaantcctc aaanccctta ccaccacttg atgaccnanc atttttangg cctggcttga 720
aggngggggc cttnggcccc ccnaaggggg aaatncccc ggnngaattc ccaangggga 780
a 781

```

```

<210> 819
<211> 199
<212> DNA
<213> Homo sapiens

```

```

<220>

```


<221> misc_feature
 <222> 2, 3, 4, 12, 20, 21, 22, 36, 37, 49, 76, 80, 83, 88, 157,
 165, 167, 177
 <223> n = A,T,C or G

<400> 819
 cnnngtggaa anggctgggn nngcggccgt tttcgnngta gtatcgcgnt tttttttttt 60
 tttttgtggg aggttntgcn gtntttgntt gctctctcaa attccaggaa ttgacttatt 120
 taattaatgc ctgcaacctg tgctagcaaa tatttgnaca aaacnanttg tgttggngat 180
 gttcttttgg gtcgggcag 199

<210> 820
 <211> 211
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 3, 128, 131, 150, 157, 159, 166, 172, 174, 180, 182,
 185, 192, 202, 206
 <223> n = A,T,C or G

<400> 820
 nnnngcacga ggagagagag agagagagag agagagagag agagagagag agagagagag 60
 agagagagag agagagagag agagagagag agagagagag agagagagag agagagagag 120
 agacagtnc tntgtgtgtct ctctgtctcn aagtacncnc tgaggnatct gntntctgtn 180
 tntgngtaca cngtatctct cntggncata t 211

<210> 821
 <211> 952
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1, 2, 3, 29, 688, 692, 702, 742, 749, 767, 774, 786, 805,
 815, 828, 835, 840, 842, 854, 864, 868, 871, 879, 889, 890,
 895, 900, 904, 909, 912, 915, 926, 939, 944, 947
 <223> n = A,T,C or G

<400> 821
 nnntcaggct cctggatgag ccctgcgana gaggggtggca gcacggagag agctgctgga 60
 ggcagcagag caccaaggaa acatccagac atgcgcggcc cggcccatcc gctcccggaa 120
 cagcaccaag acgaaatggg aaactacatg tccccagggt cgaggctgca ggggcagact 180
 ctggtgtgaa caggggggat gtgaccacct aaggaaaagg tcacacctgt cttggtatca 240
 ggggctcaag agctctcaaa aatgtaagg ggcgacagtc ccctgccccca ggcctgatca 300
 caactccagg gtcatgaggt cagagtaaag tgcagagggt tttaaacata accaaaattt 360
 caggagaggc caattcttac ttgaaagagc aacaccctgg ggcgctgctt gccattactt 420
 cctcatcttt agcaacacat ttgcttttca aggtgttcct tgtggaaaca cacatacaca 480
 tagacacatg cccctcagat gtcccctgcc ccctgattag tagaatgtgg ggtttccaca 540
 atgagcagaa actgatccaa ttttggttaa gtttgagaag ccctctgaat ttgggtgggt 600
 ggcccaatgt aaatacttcc gcagagatgg agggcattca aaacagggtc tgaaaggatc 660
 cagcctatct tggactttgt tctggaancc anggattcag cnttggccac ctgtgccagg 720
 cttgcaaggc ctggtgtgaa cncccaaant ggcagcaaaa acaacanaca gccnctgcac 780

```

tttgngtgga ccaacgtttg gcctnaacaa atctngcggg ttgggatntt cttgntttcn 840
cncccagggg accnaaaacc ccntacntg naataacctt ttttttttnn aaccttttan 900
ccantgggnt tncnnaaaaa acttgncccc ttttttttnc caanggnaaa at 952

```

```

<210> 822
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 264, 335, 366, 371, 410, 413, 416, 424, 438, 464, 477, 478,
497, 502, 509, 540, 575, 577, 581
<223> n = A,T,C or G

```

```

<400> 822
ggcacgagaa ctagtctcga gttttttttt ttttttttta acatttctga attttattat 60
ttttagggaa gacacgcagt ttcacaagaa acaatgattt ttctcaaaca atagaaaaaa 120
aggtcttttt gaaaaatcca ctgtcttaga tgaaaagtct acccagcaag cactggggca 180
gttctgagag tagaaaccag tgtgggtggaa gttacttata ggaagttcag tgcagaggtc 240
tccacaagtc ctgattagtt ctgnaaggct ccattgggcc agctcagggt aacagtggga 300
atgagctcac agacaaaggc aggcaccagt tcctntgccc gggatgcagg ctggctcact 360
ccccangcgg ntgcattctt ctccagactc atcaaactgc tgctgtccan ctncgncatg 420
actntgttga gaacatanaa ctctgctctc tggctttgct tcanctcctg gtgggcnnaa 480
ttctgcttag ccttctncac tntgaaggnt gggctcttaa cttttggatt tttttttcn 540
ggcaggggga accatgaatg gggtagatac ccacnnggg ntttggc 587

```

```

<210> 823
<211> 264
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 1, 4, 7, 15, 17, 35, 38, 44, 53, 90, 105, 108, 115, 117,
121, 126, 128, 158, 176, 178, 184, 201, 221, 227, 229, 233,
239, 250
<223> n = A,T,C or G

```

```

<400> 823
ntcnatncct actangncaa actgactccg ccctnagnca cctngtggtc canggctgcg 60
gagctgcat acagccttcc gcggtctgn tggaaccccg acctntctg gtgtntntcc 120
ntccnncnc ccaaccgcc aagggcctgc ctttctnct gggcctttgc cagcgtngg 180
ccanaccggg gccaaaccgg nccccgggca cattttaacc nagggcncnc ttntagaana 240
aaaccccggn tgatgttata aagg
264

```

```

<210> 824
<211> 520
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 7, 15, 17, 39, 60, 81, 98, 101, 110, 111, 138, 145, 174,

```

222, 250, 262, 311, 318, 332, 336, 345, 378, 406, 411, 414,
421, 426, 439, 447, 448, 450, 474, 479, 489, 494, 498, 505,
508, 510

<223> n = A,T,C or G

<400> 824

tcaagcngcc	cccantntga	tggatatctg	caaaattcnc	cctttcaccg	gccgcccgc	60
gcatgtctta	ttatacaaca	natccaactt	ccctaagnng	ntcacacatn	ntaagggtatt	120
gttaacaaaa	taggaaantc	tattngaact	aacaatcatc	tctttgaatc	tgcntatccc	180
attaaaagca	ttttcctcaa	tattcctcat	atcggttatg	gncaatggat	acccatctga	240
gctggttgan	ccctttaaat	tnattatact	taactttttg	aaggctgtta	taccaaggg	300
acaaacctaa	ncaaccanca	gatatacttg	anggtntctc	ctgtnatttc	tcagattcca	360
atataccatt	ttgccttnac	acctacagcc	cttaggggca	tcctcnttcc	ncanaacaaa	420
ncattntcac	taagacagnc	tggggtnntn	caccaatggc	taccaaacct	ctgnccgcna	480
cccaccgcnt	aaanggcnga	aattncnna	ccacacgggt			520

<210> 825

<211> 2064

<212> DNA

<213> Homo sapiens

<400> 825

cgggtgcgctg	agcgccggag	gagcgtaggc	agggcagcgc	tggcgccagt	ggcgacagga	60
gccgcgcgac	cggcaaaaat	acacgggagg	ccgtcgccga	aaagagtccg	cggtcctctc	120
tcgtaaacac	actctcctcc	accggcgcc	ccccctccgc	tctgcgcgcc	gcccggctgg	180
gcgcccagag	ccgctccgac	tgctatgtga	ccgcgaggct	gcgggaggaa	ggggacaggg	240
aagaagaggc	tctcccgcgg	gagcccttga	ggaccaagtt	tgcggccact	tctgcaggcg	300
tcctttctta	gctctcgccc	gcccctttct	gcagcctagg	cggcccgggt	tctcttctct	360
tcctcgcgcg	cccagccgcc	tcggttcccg	gcgaccatgg	tgacgatgga	ggagctgcgg	420
gagatggact	gcagtgtgct	caaaaggctg	atgaaccggg	acgagaatgg	cggcggcgcg	480
ggcggcagcg	gcagccacgg	caccctgggg	ctgccgagcg	gcggcaagtg	cctgctgctg	540
gactgcagac	cgttcctggc	gcacagcgcg	ggctacatcc	taggttcggg	caacgtgcgc	600
tgtaacacca	tcgtgcggcg	gcgggctaag	ggctccgtga	gcctggagca	gatcctgccc	660
gccgaggagg	aggtacgcgc	ccgcttgccg	tccggcctct	actcggcggt	catcgtctac	720
gacgagcgca	gcccgcgcgc	cgagagcctc	cgcgaggaca	gcaccgtgtc	gctggtggtg	780
caggcgctgc	gccgcaacgc	cgagcgcacc	gacatctgcc	tgctcaaagg	cggctatgag	840
aggttttcct	ccgagtaccc	agaattctgt	tctaaaacca	aggccctggc	agccatccca	900
cccccggttc	cccccagtgc	cacagagccc	ttggacctgg	gctgcagctc	ctgtgggacc	960
ccactacacg	accagggggg	tcctgtggag	atccttccct	tcctctacct	cggcagtgcc	1020
taccatgctg	cccggagaga	catgctggac	gccctgggca	tcacggctct	gttgaatgtc	1080
tcctcggact	gccc aaacca	ctttgaagga	cactatcagt	acaagtgcac	cccagtggaa	1140
gataaccaca	aggccgacat	cagctcctgg	ttcatggaag	ccatagagta	catcgatgcc	1200
gtgaaggact	gccgtggggc	cgtgctgggt	cactgccagg	cgggcatctc	gcggtcggcc	1260
accatctgcc	tggcctacct	gatgatgaag	aaacgggtga	ggctggagga	ggccttcgag	1320
ttcgttaagc	agcgccgcag	catcatctcg	cccaacttca	gcttcatggg	gcagctgctg	1380
cagttcgagt	cccagggtgt	ggccacgtcc	tgtgctgcgg	aggctgctag	cccctcggga	1440
cccctgcggg	agcggggcaa	gacccccgcc	acccccacct	cgcagttcgt	cttcagcttt	1500
ccggtctccg	tgggcgtgca	ctcgcccccc	agcagcctgc	cctacctgca	cagccccatc	1560
accacctctc	ccagctgtta	gagccgccct	ggggggccca	gaaccagagc	tggctcccag	1620
caagggtagg	acggggccga	tgccgggcaga	aagttgggac	tgagcagctg	ggagcaggcg	1680
accgagctcc	ttccccatca	tttctccttg	gccaacgacg	aggccagcca	gaatggcaat	1740
aaggactccg	aatacataat	aaaagcaaac	agaacactcc	aacttagagc	aataacggct	1800
gccgcagcag	ccagggaaga	ccttggtttg	gtttatgtgt	cagtttcact	tttccgatag	1860
aaattttctta	cctcattttt	ttaagcagta	aggcttgaag	tgatgaaacc	cacagatcct	1920

```

agcaaatgtg  cccaaccagc  ttactactaaag  ggggaggaag  ggaggggcaaa  gggatgagaa  1980
gacaagtttc  ccagaagtgc  ctggttctgt  gtacttgtcc  ctttgttgtc  gttgttgtag  2040
ttaaaggaat  ttcatttttt  aaaa                                     2064

```

```

<210> 826
<211> 2109
<212> DNA
<213> Homo sapiens

```

```

<400> 826
tggcgccagc  ggcgacagga  gccgcgcgac  cggcaaaaat  acacgggagg  ccgtegccga  60
aaagagtcgc  cggtcctctc  tcgtaaacac  actctcctcc  accggcgcc  cccctccgc  120
tctgcgcgcc  gcccggtg  ggcgccgagg  ccgctccgac  tgctatgtga  ccgcgaggct  180
gcgggaggaa  ggggacaggg  aagaagaggc  tctcccgcgg  gagcccttga  ggaccaagtt  240
tgccggccact  tctgcaggcg  tcccttctta  gctctcgcc  gccctttct  gcagcctagg  300
cggcccaggt  tctcttctct  tctcgcgcgc  cccagccgcc  tcggttccc  gcgaccatgg  360
tgacgatgga  ggagctgcgg  gagatggact  gcagtgtgct  caaaaggctg  atgaaccggg  420
acgagaatgg  cggcggcgcg  ggcggcagcg  gcagccacgg  caccctgggg  ctgccgagcg  480
gcggcaagtg  cctgctgctg  gactgcagac  cgttcctggc  gcacagcgcg  ggctacatcc  540
taggttcggg  caacgtgcgc  tgtaaacacca  tcgtgcggcg  gcgggctaag  ggctccgtga  600
gcctggagca  gatcctgccc  gccgaggagg  aggtacgcgc  ccgcttgcc  tccggcctct  660
actcggcggt  catcgtctac  gacgagcgca  gccgcgcgc  cgagagcctc  cgcgaggaca  720
gcaccgtgtc  gctggtggtg  caggcgctgc  gccgcaacgc  cgagcgcacc  gacatctgcc  780
tgctcaaagg  cggctatgag  aggttttct  ccgagtaccc  agaattctgt  tctaaaacca  840
aggccctggc  agccatccca  ccccggttc  ccccgagcg  cacagagccc  ttggacctgg  900
gctgcagctc  ctgtgggacc  ccactacacg  accagggggg  tcctgtggag  atccttcct  960
tcctctacct  cggcagtgcc  taccatgctg  cccggagaga  catgctggac  gccctgggca  1020
tcacggctct  gttgaatgtc  tcctcggact  gcccaaacca  ctttgaagga  cactatcagt  1080
acaagtgc  cccagtgga  gataaccaca  aggccgacat  cagctcctgg  ttcattgga  1140
ccatagagta  catcgatgcc  gtgaaggact  gccgtgggcg  cgtgctggtg  cactgccagg  1200
cgggcatctc  gcggtcggcc  accatctgcc  tggcctacct  gatgatgaag  aaacgggtga  1260
ggctggagga  ggccttcgag  ttcgttaagc  agcgccgcag  catcatctcg  cccaacttca  1320
gcttcatggg  gcagctgctg  cagttcgagt  cccaggtgct  ggccacgtcc  tgtgctgcgg  1380
aggctgctag  cccctcgga  cccctgcggg  agcggggcaa  gacccccgcc  accccacct  1440
cgcagttcgt  cttcagcttt  ccggtctccg  tgggcgtgca  ctccggcccc  agcagcctgc  1500
cctacctgca  cagccccatc  accacctctc  ccagctgtta  gagccgccct  gggggcccca  1560
gaaccagagc  tggctcccag  caagggtagg  acgggccgca  tgcgggcaga  aagttgggac  1620
tgagcagctg  ggagcaggcg  accgagctcc  ttccccatca  tttctccttg  gccaacgacg  1680
aggccagcca  gaatggcaat  aaggactccg  aatacataat  aaaagcaaac  agaactctcc  1740
aacttagagc  aataacggct  gccgcagcag  ccagggaaga  ccttggtttg  gtttatgtgt  1800
cagtttctact  ttccgatag  aaatttctta  cctcattttt  ttaagcagta  aggcttgaag  1860
tgatgaaacc  cacagatcct  agcaaatgtg  cccaaccagc  ttactactaaag  ggggaggaag  1920
ggagggcaaa  gggatgagaa  gacaagtttc  ccagaagtgc  ctggttctgt  gtacttgtcc  1980
ctttgttgtc  gttgttgtag  ttaaaggaat  ttcatttttt  aaaagaaatc  ttcgaaggtg  2040
tggttttcat  ttctcagtca  ccaacagatg  aataattatg  cttataataa  aagtatttat  2100
taagacttt                                     2109

```

```

<210> 827
<211> 394
<212> PRT
<213> Homo sapiens

```

```

<400> 827
Met Val Thr Met Glu Glu Leu Arg Glu Met Asp Cys Ser Val Leu Lys

```

1		5		10		15									
Arg	Leu	Met	Asn	Arg	Asp	Glu	Asn	Gly	Gly	Gly	Ala	Gly	Gly	Ser	Gly
			20					25					30		
Ser	His	Gly	Thr	Leu	Gly	Leu	Pro	Ser	Gly	Gly	Lys	Cys	Leu	Leu	Leu
		35					40					45			
Asp	Cys	Arg	Pro	Phe	Leu	Ala	His	Ser	Ala	Gly	Tyr	Ile	Leu	Gly	Ser
	50					55					60				
Val	Asn	Val	Arg	Cys	Asn	Thr	Ile	Val	Arg	Arg	Arg	Ala	Lys	Gly	Ser
65					70				75					80	
Val	Ser	Leu	Glu	Gln	Ile	Leu	Pro	Ala	Glu	Glu	Glu	Val	Arg	Ala	Arg
			85						90					95	
Leu	Arg	Ser	Gly	Leu	Tyr	Ser	Ala	Val	Ile	Val	Tyr	Asp	Glu	Arg	Ser
			100					105					110		
Pro	Arg	Ala	Glu	Ser	Leu	Arg	Glu	Asp	Ser	Thr	Val	Ser	Leu	Val	Val
		115					120					125			
Gln	Ala	Leu	Arg	Arg	Asn	Ala	Glu	Arg	Thr	Asp	Ile	Cys	Leu	Leu	Lys
	130					135					140				
Gly	Gly	Tyr	Glu	Arg	Phe	Ser	Ser	Glu	Tyr	Pro	Glu	Phe	Cys	Ser	Lys
145					150					155					160
Thr	Lys	Ala	Leu	Ala	Ala	Ile	Pro	Pro	Pro	Val	Pro	Pro	Ser	Ala	Thr
				165					170					175	
Glu	Pro	Leu	Asp	Leu	Gly	Cys	Ser	Ser	Cys	Gly	Thr	Pro	Leu	His	Asp
			180					185					190		
Gln	Gly	Gly	Pro	Val	Glu	Ile	Leu	Pro	Phe	Leu	Tyr	Leu	Gly	Ser	Ala
		195					200					205			
Tyr	His	Ala	Ala	Arg	Arg	Asp	Met	Leu	Asp	Ala	Leu	Gly	Ile	Thr	Ala
	210					215					220				
Leu	Leu	Asn	Val	Ser	Ser	Asp	Cys	Pro	Asn	His	Phe	Glu	Gly	His	Tyr
225					230					235					240
Gln	Tyr	Lys	Cys	Ile	Pro	Val	Glu	Asp	Asn	His	Lys	Ala	Asp	Ile	Ser
			245					250						255	
Ser	Trp	Phe	Met	Glu	Ala	Ile	Glu	Tyr	Ile	Asp	Ala	Val	Lys	Asp	Cys
			260					265					270		
Arg	Gly	Arg	Val	Leu	Val	His	Cys	Gln	Ala	Gly	Ile	Ser	Arg	Ser	Ala
		275					280					285			
Thr	Ile	Cys	Leu	Ala	Tyr	Leu	Met	Met	Lys	Lys	Arg	Val	Arg	Leu	Glu
	290					295					300				
Glu	Ala	Phe	Glu	Phe	Val	Lys	Gln	Arg	Arg	Ser	Ile	Ile	Ser	Pro	Asn
305					310					315				320	
Phe	Ser	Phe	Met	Gly	Gln	Leu	Leu	Gln	Phe	Glu	Ser	Gln	Val	Leu	Ala
			325						330					335	
Thr	Ser	Cys	Ala	Ala	Glu	Ala	Ala	Ser	Pro	Ser	Gly	Pro	Leu	Arg	Glu
			340					345					350		
Arg	Gly	Lys	Thr	Pro	Ala	Thr	Pro	Thr	Ser	Gln	Phe	Val	Phe	Ser	Phe
		355					360					365			
Pro	Val	Ser	Val	Gly	Val	His	Ser	Ala	Pro	Ser	Ser	Leu	Pro	Tyr	Leu
	370					375					380				
His	Ser	Pro	Ile	Thr	Thr	Ser	Pro	Ser	Cys						
385					390										

<210> 828

<211> 453

<212> DNA

<213> Homo sapiens

<400> 828

```

ggatcatttta attgcatact ctatgaccac gcacatgtaa agccccttct gcaaaagaga 60
cctaaaccag atgagaagta ttattcatcc agcatatggg gaccaacatg tgatggcctc 120
gatcggattg ttgagcgctg tgacctgcct gaaatgcatg tgggtgattg gatgctcttt 180
gaaaacatgg gcgcttacac tgttgctgct gcctctacgt tcaatggctt ccagaggccg 240
acgatctact atgtgatgtc agggcctgcg tggcaactca tgcagcaatt ccagaacccc 300
gacttcccac ccgaagtaga ggaacaggat gccagcacc tgcctgtgtc ttgtgcctgg 360
gagagtggga tgaacgccca cagagcagcc tgtgcttcgg ctagtattaa tgtgtagata 420
gcactctggt agctgttaac tgcaagttta gct 453

```

<210> 829

<211> 452

<212> DNA

<213> Homo sapiens

<400> 829

```

ctggggccacg aggacaccac cagcttggat cggcctcgcc gtgtggaata cttttagat 60
aagcaactcc aagtaaaggc tgtcacctgt gggccgtgga acacctacgt gtatgctgtg 120
gagaaaggga agagctgaca tgtgtacgta tatgtatatg caacacctgt gagaccccca 180
ttcaggtcaa ggaaaaccgt tgcctgcacc ccaagggcc catatttgcc cctccccatc 240
acagtcctgc ctttcaccct caagcacggt cctaaacttg tctgcacttt agaaacacct 300
ggagagcatt gaaaactctg ctgcctaagg tcagcatcaa tcaaaacaat gaaatcaatg 360
aaacaatgaa accagagctt ctagggtgtg ggcctggata gtggtagatt caaagctcca 420
cccacctcat cccaggtaca tttgatgtgc ag 452

```

<210> 830

<211> 450

<212> DNA

<213> Homo sapiens

<400> 830

```

ctgaccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
acaagacaac ctgaagctaa atggatgccc cctgcagagt caacagggtcc agcctcacag 120
tgcacgccct gagctacagc ctctcccaaa aggcatcttc cccacagcct caacgccgag 180
caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
cagttgaaaa ctcaggattt ctagccaata accatagtta ccaccacctt acaaataaaa 300
agaaaatgcc agaaacatct ttaaatgcct tgtcacacca acagcaaagt gcacagagtg 360
aggagaacac gagagtgcct tttcatttta aaaatgtttg gaaatatgta caactttgat 420
acagtttcag ggtgctccag acacccatgg 450

```

<210> 831

<211> 395

<212> DNA

<213> Homo sapiens

<400> 831

```

ctctaaaccc ctccacattc ccgcggtcct tcagactgcc cggagagcgc gctctgcctg 60
ccgctgcct gcctgccact gagggttccc agcaccatga gggcctggat cttctttctc 120
ctttgcctgg ccgggagggc cttggcagcc cctcagcaag aagccctgcc tgatgagaca 180
gaggtggtgg aagaaactgt ggcagagggt actgaggtat ctgtgggagc taatcctgtc 240
caggtggaag taggagaatt tgatgatggt gcagaggaaa ccgaagagga ggtggtggcg 300
gaaaatccct gccagaacca ccactgcaaa cacggcaagg tgtgagagct ggatgagaac 360

```


aacacccccca tgtgcgtgtg ccaggacccc accag

395

<210> 832

<211> 291

<212> DNA

<213> Homo sapiens

<400> 832

ctgactcttc	catctgtgca	ggttgactga	ggtcattcct	gagttgcagt	atgttgagag	60
ggtaatat	ctgtcttctc	taactcccca	tactcccttg	tcttccactc	tccacttagg	120
agttttttgt	gagttatgtc	cttggttgctt	ttgcctcttt	ttctttctag	ccttgattgt	180
gccagaagac	aatgtcccta	ttcacacact	ctttctgctt	ttctgtgggc	aggaacatgg	240
aaggggtgct	gatggacgtg	gactgtgaga	gcgtctaccc	cactgtgtag	g	291

<210> 833

<211> 491

<212> DNA

<213> Homo sapiens

<400> 833

ctgtagcttc	tgtgggactt	ccactgctca	ggcgtcaggc	tcaggtagct	gctggccgcg	60
tacttggtgt	tgctttgttt	ggaggggtgtg	gtgggtctcca	ctcccgcctt	gacggggctg	120
ctatctgcct	tccaggccac	tgtcacggct	tccgggtaga	agtcacttat	gagacacacc	180
agtggtggcct	tggttgcttg	aagctcctca	gaggagggcg	ggaacagagt	gaccgagggg	240
gcagccttgg	gctgacctag	gacgggtcagc	ttgggtccctc	cgccgaagac	cacattattg	300
ccgtcccacg	tctgacagta	atagtcagcc	tcattccatag	cctgggtccc	gctgatggtc	360
agagtggctg	tggtcccaga	gttgagagcca	gagaagcgct	cagggatccc	tgaagaccgc	420
ttattatctt	gataaatgac	taccacaggg	gactggcctg	gcttctgttg	ataccaacaa	480
gcagatacct	g					491

<210> 834

<211> 308

<212> DNA

<213> Homo sapiens

<400> 834

ctgggtcgagg	tccacgccgc	ggtaggtgaa	cttgoggaag	gtccgcttct	tcttctgctc	60
tacttctgcc	gtgctggaga	acatcgaact	gaacaagaag	agtatgtatt	cccgtgtgcc	120
agagtgccag	gtcaccacat	actattatgt	tgggttcgca	tatttgatga	tgcgtcgta	180
ccaggatgcc	atccgggtct	tcgccaacat	cctcctctac	atccagagga	ccaagagcat	240
gttccagagg	accacgtaca	agtatgagat	gattaacaag	cagaatgagc	agatgcatgc	300
gctgctgg						308

<210> 835

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 365, 402, 406

<223> n = A,T,C or G

<400> 835

```

ctgacatggt aactgtgatg cataaaactc gatcttctga tggggagtaa gtgcagaagg 60
tagaaatctc cgccccgcgg gggcttatct gtactggtag ttcattgctgt ggtctgcgtt 120
tctgccatag ccgccttgtg aggactggta ggagctggga gggccactgt agttctggcc 180
ggaccccggg gagttgtagt tgcactgtga gtagcctcct tggttgccct ggtatgagga 240
gccgccccca gaacctccgc cgtagcccc cgtgtgaccct gggttgtagg atgccccgcc 300
tgagccgtag ctgttcccgc cgcttcggcc tccactacca ctgtagttga atttgctctc 360
gtagntgtag tcggatccgc ccccgcccc gggagagttg tngganttcg agtaggagta 420
gctgccttgt ccatggttat agcctttctg cttgccctgt ggagggccat ag 472

```

<210> 836

<211> 354

<212> DNA

<213> Homo sapiens

<400> 836

```

ccagtgcac cttcagatag acacatgggtg accagagccc gccaggcttc tgcaggtggc 60
agtgtcgagc aagtgtgaaga tgtctgtggg aaggagaagc tcctgaaatg aacgttctgc 120
aaacagaagg ctgaggggtc ttccaggcat gtccagtcac taggagctgc caccggtggg 180
cttgagtgcc aggctctagg ctttgtgcag aaagcacccg gggcgggggg cggtaaggga 240
gagcaaaatg ggtctctctc aactgcagtc agtgctcctg ggaacacggt ctcacagaca 300
gcacatattc tacgtcacag ctctagggtt tcaaggactt agccatccga cagg 354

```

<210> 837

<211> 318

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 282

<223> n = A,T,C or G

<400> 837

```

ctgaaaatga aggtaatata aaccatggag gcgatcagcg aggttctcca ggaccttagg 60
tttgatgcgg aatctgccga gtgatggcgg ctccccaggg atgcgccgag ggagatggga 120
aacggggcgg atggcgccca gccagccct aactgccagc cacattgaag cggacattgg 180
caaccgggtc cccagccatg cgcagaaccg tgggtagcat gtgcttggtg gtgatgtcct 240
gccacagac ctcagacggc acattgatgc agaagagcgt antcatgcgg tgcaggtagt 300
tggggtctcc ggacatgg 318

```

<210> 838

<211> 277

<212> DNA

<213> Homo sapiens

<400> 838

```

ctgcgcgtcg ccaaagtgc aggcgggtgc gcctccaagc tctctaagat ccgagtcgtc 60
cggaatcca ttgcccgtgt tctcacagtt attaaccaga ctcagaaaga aaacctcagg 120
aaattctaca agggcaagaa gtacaagccc ctggacctgc ggcctaagaa ggcacgtgcc 180
atgcgccgcc ggctcaacaa gcacgaggag aacctgaaga ccaagaagca gcagcgggaag 240
gagcggctgt acccgctgcg gaagtacgcg gtcaagg 277

```

<210> 839

<211> 276

<212> DNA
<213> Homo sapiens

<400> 839
ccaaggaatg caggctgtac tatctgcgaa atggagaacg tatttcagtg tcggcagcct 60
ccaagctgct gtccaacatg atgtgccagt accggggcat gggcctctct atgggcagta 120
tgatctgtgg ctgggataag aagggtcctg gactctacta cgtggatgaa catgggactc 180
ggctctcagg aaatatgttc tccacgggta gtgggaacac ttatgcctac ggggtcatgg 240
acagtggcta tcggcctaata cttagccctg aagagg 276

<210> 840
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 387
<223> n = A,T,C or G

<400> 840
ccttctttgc catgaccaag ctctttcagt ccaatgatcc cacactccgt cggatgtgct 60
acttgaccat caaggagatg tcttgcatg cagaggatgt catcattgtc accagcagcc 120
taacaaaaga catgactggg aaagaagaca actaccgggg cccggccgtg cgagccctct 180
gccagatcac tgatagcacc atgctgcagg ctattgagcg ctacatgaaa caagccattg 240
tggaacaagg gccagtggtc tccagctctg ccctcgtgtc ttccttgac ctgctgaagt 300
gcagctttga cgtgggtcaag cgctgggtga atgaggctca ggaggcagca tccagtgata 360
acatcatggt ccagtaccac gcactanggc tcctgtacca tgtgcgtaag aatgaccgcc 420
tagccgtcaa taagatgatc agcaagggtcg cac 453

<210> 841
<211> 142
<212> DNA
<213> Homo sapiens

<400> 841
agcctctcta gtggcagagc agctcacact ccctccgctg ggaacgatgg cttctgccta 60
gtacctatcc ttgtgtttct gatgcagtgg tagcattggt tcaagttctc tcctgctgtg 120
gtcagagttg cttcgatggt gg 142

<210> 842
<211> 83
<212> DNA
<213> Homo sapiens

<400> 842
cctaaaagca gccaccaatt aagaaagcgt tcaagctcaa caccactac ctaaaaaatc 60
ccaaacatat aactgaactc ccc 83

<210> 843
<211> 482
<212> DNA
<213> Homo sapiens

<400> 843

```

ccatcggtgt ctggcagatg cggcacctca agagcttctt tgaagccaag aagcttgtgt 60
agctgtccca ggcgtcacia cccatcctcc caggctgggg gagaaaggac ctcttggaac 120
tgacttcttc tgtcaggagg actggtttcc agccatacct gttctggaag ggagaggggc 180
tggaggcacc cacaggcaca agctgaaggc agcagcttgg ctaatactga gcaggtagtg 240
gggcaaattc ctgccctctc tctctggcct ctggggccgtt tggtagtaat caccagggg 300
ctggtaaagc cctcctctt ggcacctcag aatcacagtg ttactgatca gggatgtgag 360
gctgctgttg ggggtggggg gaggggaatg ggcaggcaag ccagtcttct gtcttccttt 420
gctaacttag ggttttgagc aggttggggg tatggtgcct gtcataccca cctgccaccc 480
tg 482

```

<210> 844

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 495, 508

<223> n = A,T,C or G

<400> 844

```

ccagattttt caagttaa aa ggaggaaact gcttattgga aggaactttc cttgaagtat 60
aagcaaagct tccaggaagc tccgggatgag ctagttgaat tccaggaagg aagcagagaa 120
ttagaagcag agttggaggc acaattagta caggctgaac aaagaaatag agacttgca 180
gctgataacc aaagactgaa atatgaagcg gaggcattaa aggagaagct agagcatcaa 240
tatgcacaga gctataagca ggtctcagtg ttagaagatg atttaagtca gactcggggc 300
attaaggagc agttgcataa gtatgtgaga gagctggagc aggccaacga cgacctggag 360
cgagccaaaa gggcaacaat agtttctactg gaagactttt gaacaaaggc taaaccaggc 420
cattgaacga aatgcatttt tagaaagttg aacttgatga aaaaggaatc tttgttggtc 480
tctgtacaga ggttnaagga tgaagcanga gatttaaggc aagaactagc agtt 534

```

<210> 845

<211> 175

<212> DNA

<213> Homo sapiens

<400> 845

```

tcgacctgtg gcaaagtgtg ctaccctgcc aagcgcaaga gaaagtataa ctggagtgcc 60
aaggctaaaa gacgaaatac caccggaact ggtcggatga ggcacctaaa aattgtatac 120
cgcagattca ggcattggatt ccgtgaagga acaacaccta aaccaagag ggcag 175

```

<210> 846

<211> 179

<212> DNA

<213> Homo sapiens

<400> 846

```

cgcggtggaca gttgagaggg gtctgtgtga aggcacttgt cagcagcttc aatactgccg 60
ccgtcccagg atgggagaaac tgcgcagcag gaagggcact tctgaaagca cagtggagag 120
atcgctggag cgggcgttct gggcaggagg aagcacagac ggcaggcagg gtggactgg 179

```

<210> 847

<211> 410

<212> DNA
<213> Homo sapiens

<400> 847
ccaccaaacc cagtcacaag acctggagtt gtctgtgcag atgtacgccc aagccgccct 60
ggatggagac tcccagggat tttttaacct ggccctgcta atcgaggaag gtacgataat 120
cccacaccat atcttggatt tcttggaat tgactcaact ctccattcta ataacatctc 180
cattctccag gaactgtacg aaaggtgctg gagccacagt aacgaggagt ccttcagccc 240
ctgctccttg gcctggcctt acctgcactt gcggcttctc tggggtgcta tectgcactc 300
agccctgac tactttctgg gaacctttct gctatccata ttgatcgctt ggactgtgca 360
gtatttccag tctgtctcag caagcgatcc ccctccaaga ccatcccagg 410

<210> 848
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 508
<223> n = A,T,C or G

<400> 848
cacgggcccc cagccctgtg tcggccttgt ctgtctcagc tcaaccacag tctgacacca 60
gagcccaact ccactctctc tgggtgtgagg cacagcgagg gcagcatctg gaggagctct 120
gcagcctcca cacctaccac gacctcccag ggctgggctc aggaaaaacc agccactgct 180
ttacaggaca ggggggttgaa gctgagcccc gcctcacacc ccccccatg cactcaaaga 240
ttggatttta cagctacttg caattcaaaa ttcagaagaa taaaaaatgg gaacatacag 300
aactctaaaa gatagacatc agaaattgtt aagttaagct ttttcaaaaa accagcaatt 360
ccccagcgta gtcaagggtg gacactgcac gctctggcat gatgggatgg cgaccgggca 420
agctttcttc ctcgagatgc tctgctgctt gagagctatt gctttgttaa gatataaaaa 480
ggggtttctt tttgtcttct tgtaaggngg acttccagct tttgattgaa agtcctaggg 540
tgattctatt tctgctg 557

<210> 849
<211> 525
<212> DNA
<213> Homo sapiens

<400> 849
ctgatggttt ggaaatgaga gaactacagt ggtgaagaga ccaggaggca gctctcagtg 60
aaaccaacat tgcggatgcc cttcgtgagc cttctcagtc ccagcaggaa gcccacaaca 120
ctggcctccc cagcctgcct gctgacaaca cctaggctta ctttatctaa aatcagagtg 180
taccaggtct gtagcagaaa ataatacaact aaatgtcagg gacctatgag tcatttaaaa 240
caaaagagga agtgaaagcc attaggcaag ctatgtgctg ggctgctaac gtagccctg 300
cagggagggg tcaggagcgc gctgcagtga gccttgggtc tcgcaggccc agccctgctg 360
caaggagcca gggcacccag gaaacatcag cacacacaca cacagggacc ctcccttcat 420
gtcacttggt ttgctgcctt aaatggcttc ttgcacccta acccctgatc ctggaagaag 480
gcagagagac tggcccgtac agagacctgc aattctacgc aagct 525

<210> 850
<211> 384
<212> DNA
<213> Homo sapiens

<400> 850

```

cctcttggag cacatccttt actgcattgt ggacagcgag tgtaagtcaa gggatgtgct 60
ccagagttac tttagacctc tgggggagct gatgaagttc aacgttgatg cattcaagag 120
attcaataaa tatatcaaca ccgatgcaaa gttccaggta ttcctgaagc agatcaacag 180
ctccctgggt gactccaaca tgctgggtgc ctgtgtcact ctgtccctgg accgatttga 240
aaaccagggt gatatgaaag ttgccgaggt actgtctgaa tgccgcctgc tcgcctacat 300
atcccagggt cccacgcaga tgctcttctt cttccgcctc atcaacatca tccacgtgca 360
gacgctgacc caggagaacg tcag                                     384

```

<210> 851

<211> 423

<212> DNA

<213> Homo sapiens

<400> 851

```

ctcaggaaaa accagccact gctttacagg acaggggggt gaagctgagc cccgcctcac 60
acccaccccc atgcactcaa agattggatt ttacagctac ttgcaattca aaattcagaa 120
gaataaaaaa tgggaacata cagaactcta aaagatagac atcagaaatt gttaagttaa 180
gctttttcaa aagatcagca attccccagc gtagtcaagg gtggacactg cacgctctgg 240
catgatggga tggcgaccgg gcaagctttc ttcctcgaga tgctctgctg cttgagagct 300
attgctttgt taagatataa aaaggggttt ctttttgtcc ttctgtaagg tggacttcca 360
gcttttgatt gaaagtccta gggtgattct atttctgctg tgatttatct gctgaaagct 420
cag                                     423

```

<210> 852

<211> 413

<212> DNA

<213> Homo sapiens

<400> 852

```

ctgaaaacag tgggaggcca gatgctggca tcttccagac gggagcatag ccatgggtcac 60
tctagccgat gtctcctggg gctctcaggc ggcaaggacc agatgcacca ctactgtcca 120
atcccagttt tacttagagc cacctccttt tttggggcca ttagtcctta tttcatgcca 180
gattttcact agcggtccc tgttcttcca aatcaattca tgaccgtaag taacatacca 240
tattccaaaa agagctcccc caagatgtgc cgcgatgata aaaaatttcc atcccaggat 300
cattcctgct gtatccatgg cgataatggc tttcaggcca ttcctgctg tgaacgtgaa 360
catcggaagg aaaataatgg caagcctccc ttctgggata ttagtgcaga cag          413

```

<210> 853

<211> 288

<212> DNA

<213> Homo sapiens

<400> 853

```

atctgtgagt tctgagaggc atttaggcca tgggacaggg aggatcctgt ctggccttca 60
gtttccatcc ccaggatcca cttgggtctgt gagatgctag aactcccttt caacagaatt 120
cacttgtggc tattagagct ggaggcacc ttagccactt cattccctg atgggccctg 180
actcttcccc ataatcactg accagccttg aactccctt tgcaaaccat cccagcactg 240
caccacaggc agccactcct agccttggcc tttggcatga gatggggg          288

```

<210> 854

<211> 427

<212> DNA

<213> Homo sapiens

<400> 854

```
ccaagtgaga tcagccctca agggcacatg ccaagggcag agcagcccat gtagacagct 60
tcggagggca tgggggtgta gggaggttcgg ggtagctcct cattaactat ttgttgggtg 120
agtaaagggg tgaggctcag tggcaggtac ctctgcaatg acaagctgcc tcccctctat 180
gtgttttagca tatgttatta gaacgtgtcc gacaccctta ccgctgccat ttgggcccctt 240
taataaagcc aagtagagaa atctggcaat aaaaggcaaa tgtaagcatg ctttctttaa 300
gacgcatcat aaatgggtttt ctttaagtga atggaagagt ttgacagaga tacacctttg 360
taagaaaaca ttaagaatgc tggctgactg tgggtggctca cacctgtatt cccagcactt 420
tgggagg                                           427
```

<210> 855

<211> 311

<212> DNA

<213> Homo sapiens

<400> 855

```
ccagtattcc tggaggatat aacactgaca tcagcagggt tttcaatggc aacaattgca 60
cgagctgcc a gcagaagctt ctcccagggt ctcttgagat ttatgatata gatgccatca 120
cttttccttt tatagatgta ctgttccatc tggaagtcaa gattggtgcc acctaagtgg 180
gttcctgctg caaggaactt aaggacatcc tctccttca tttgcaggac atcaagggtt 240
ccggacattg tgaaagtttc cctttaagtt acgacgggaa tccagaacaa cgccgtatgg 300
acccctctgc a                                           311
```

<210> 856

<211> 328

<212> DNA

<213> Homo sapiens

<400> 856

```
cctatggaag tttggtgctt tgctccctgt gtttgcgaaa caggatatctc gtgatttcag 60
aaaagcttga ggagattaag tctttccggg agctgacctg cctggatctt tctgttgca 120
agcttgagaa tgagcatgaa cttctagaac atctcaccaa tgaagccctg tctagtgtaa 180
ctcagctcca cctgaaggat aattgtctat ctgatgctgg ggtgcggaag atgacagcac 240
cagttcgagt gatgaaaaga ggtatccaat gctgcatct gtgatctcag ggttacatga 300
taagtctaata aatgttagat tctcaagg                                           328
```

<210> 857

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 473

<223> n = A,T,C or G

<400> 857

```
ctgaccggac cggtcattgcc cgtccgggaa gtctataaga aggagaaagc tcgagtcac 60
actgaggaag agaagaattt caaagccttc gctagtctcc gtatggcccg tgccaacgcc 120
cggctcttcg gcatacgggc aaaaagagcc aaggaagccg cagaacagga tggtgaaaag 180
aaaaaataaa gccctcctgg ggacttgga tcaagtcggca gtcattgctgg gtctccacgt 240
ggtgtgtttc gtgggaacaa ctgggcctgg gatggggctt cactgctgtg acttcctcct 300
```

```

gccaggggat ttggggcctt cttgaaagac agtccaagcc ctggataatg ctttactttc 360
tgtgttgaag cactgttggt tgtttggtta gtgactgatg taaaacgggt ttcttgtggg 420
gaggttacag aggctgactt cagagtggac ttgtgttttt tctttttaaa gangtaaggt 480
tgggctgggt ctcacagacc tc 502

```

```

<210> 858
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<400> 858
cggccgaggt ccttaatagt taagttacag ctaagaatgt catgtcttgg gttggaattt 60
tcatttttag caccgttaat gtattcactt aaatctatgt tagcaccttg tctccaggca 120
gaacaacaaa ccatccaaac atttttaaaca ttgggggaaa cacgaagggg agggttaaag 180
acagaatcca gtactgtgga aggagtggat ttagatcaca agatccttgt cgatatacctt 240
ctgcttgatg ccgaagcagc cggcccactc atccagggcg atgtacttgt cattgtccag 300
gtcacaggtc tcgaaaaagc ggggtggtgca atgctccatg gggatgaggg gagcacgcag 360
tggagccagc tcggtgtggg agaggtaccc gtcaatgggg tgctgggtcca g 411

```

```

<210> 859
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<400> 859
aatcacaga gggacttagt attccattaa tgcaaagtga aacattaagt tcatcatcag 60
atgataaaag gaaaaaaaaa acctgatact catctcaaaa gacgcagaga agacatctgc 120
ataaatccag tacctattat tatttcaaat ttaaaaactt cttctttttt aagagatagg 180
gtatcactat gttgcccagg ctgatcttga actcttggcc tcagatgatc ct 232

```

```

<210> 860
<211> 235
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 230
<223> n = A,T,C or G

```

```

<400> 860
tgcccagaaa ggaaggggct attgcctcct cccagccacg ttccctttcc tcctctccct 60
cctgtggatt ctcccatcag ccactctggt ctccctcttaa ggccagttga agatgggtccc 120
ttacagcttc ccaagttagg ttagtgatgt gaaatgctcc tgtccctggc cctacctcct 180
tcctgtccc caccctgca taaggcagtt gttgggtttt ttcccgaatn ctttt 235

```

```

<210> 861
<211> 457
<212> DNA
<213> Homo sapiens

```

```

<400> 861
ccaaaggaaa gttggaaggc aactgacaga ttctgccttt taggtacttg aactggcagg 60
aatgcatca aaagacttaa aggtaaagcg tattaccctt cgtcacttgc aacttgctat 120

```

```

tcgtggagat gaagaattgg attctctcat caaggctaca attgctgggt gtggtatggt 180
aacttctaac attttaaaaa atttcttcag aggaaggaat tttttgctgc ttttaattag 240
tttttccagg agaggaaatt taagtatat ttcaatgatg gaagtatggt tgtatcatga 300
aatttgattt atatgtataa ctcaatgaat ttttacctca tacttgagct gcatgttttt 360
aaagatacct ttcaagttga acagtataca ctttcttggt ttcaaatact gtgatttttt 420
aaaaaatctt aagtagaatt aattcctgtc actcccc 457

```

```

<210> 862
<211> 561
<212> DNA
<213> Homo sapiens

```

```

<400> 862
ccaggtcatc accattggca atgagcgggt ccggtgtccg gaggcgctgt tccagccttc 60
cttcctgggt atggaatctt gcggcatcca cgagaccacc ttcaactcca tcatgaagtg 120
tgacgtggac atccgcaaag acctgtacgc caacacgggt ctgtcgggcg gcaccaccat 180
gtatccgggc attgccgaca ggatgcagaa ggagatcacc gccctggcgc ccagcaccat 240
gaagatcaag atcatcgcac cccagagcgc caagtactcg gtgtggatcg gtggctccat 300
cctggcctca ctgtccacct tccagcagat gtggattagc aagcaggagt acgacgagtc 360
gggcccctcc atcgtccacc gcaaattgctt ctaaaccggac tcagcagatg cgtagcattt 420
gctgcatggg ttaattgaga atagaaattt gccctggca aatgcacaca cctcatgcta 480
gcctcacgaa actggaataa gccctcgaaa agaaattgtc cttgaagctt gtatctgata 540
tcagcactgg attgtagaac t 561

```

```

<210> 863
<211> 291
<212> DNA
<213> Homo sapiens

```

```

<400> 863
ccatagctgt cccacctatg gttttaaaaa cagactgtaa cttgatcttc tgaaatcctt 60
ctcgaaccac aactcgttct gttaaagaaa tcctaggaaa gaagtcctac tgatattgtc 120
gatagtctcc aaaagggtgag gaaggtaact gagttgaagg caactgggag gggctctctg 180
caaactgagg accattggaa aactgtgcag aggcaaactc tgtcaacaag ataccagctc 240
cttcaattaa agctaggaga atgccaccca ttgcggctga cccaaccatg g 291

```

```

<210> 864
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 864
ctgaactttt ccacctggag tccttgggaa taccggacgt gatcttcttt tatagggtcca 60
atgatgtgac ccagtcctgc agttctggga gatcaaccac catccgcgtc aggtgcagtc 120
cacagaaaac tgtccctgga ggtttgctgc tgccaggaaac gtgctcagat gggacctgtg 180
atggctgcaa cttccacttc ctgtgggaga gcgcggctgc ttgcccgtc tgctcagtgg 240
ctgactacca tgctatcgtc agcag 265

```

```

<210> 865
<211> 144
<212> DNA
<213> Homo sapiens

```

```

<400> 865

```

cctccacctg cgttttgatc tagatgagca tattgtccat ctcccacagc ttgctccggt 60
 tccgcaggta cgcccgcccg tgctcgcgcg tcagcgacgc gatgtcctcg cgcattctcg 120
 tgatgaccgg gagcagaaac tgct 144

<210> 866
 <211> 241
 <212> DNA
 <213> Homo sapiens

<400> 866
 ctggctgtaa gtagcttcat agcaccagtc tttgagaatg tcaagctctc cagaaatcat 60
 ggctccagg acattgggga tgatgtcggt ctgcgactgt ttcagaaacc ggtccttgct 120
 aaaggccggg tccaccggga ggatctccgt gagcacctcc gacattctctg tcttgagaaa 180
 caggcccccc agcaagtcgg tgaccttgct cgtaagggcc cgggatgccc ggatgaacgc 240
 g 241

<210> 867
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 867
 cctgggcccc ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
 ttatttactg agatggagtc ttgctctgct acccaggctg gagtgcagtg gtgcaatctc 120
 ggctcactgc aacctctgcc tcctgggctg cagtgattct cctgcgttca agtaattctc 180
 ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
 ttcgtatttt tagtagaaat ggggtttcac catgttggcg aggctggtct cgaactcctg 300
 acctcaagga tcctcctgcc tcggcctcct aaggtgctgg gattgcaggt gtgagccacc 360
 acgt 364

<210> 868
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 868
 ccaccagtc acagatgtga ctggtaaggg atctagtaac agaggatgga gttgggcaga 60
 atattatcct ggatgatatg caccagcac taggatacac ctttcattag aatgaagaga 120
 acagacaaag ccctcagaaa agatacaaag gcagagacat tgattagaac attatctcat 180
 aacagaggtg gggccattac ccaccattat tgtaaaataa ctgtaactaa ccaaaacaca 240
 tacaggcttc tttaatggag ttaataaaaac tatggcacat tgggaatcag gggcagaggt 300
 actgttccca gacggaaaac tgggataaag ggagccatgc tgacagggcc ttattccagt 360
 ctaggttggt agaaaggagc cctagcccag aaatgacagc aaatagccat aatcattatg 420
 tggggctgaa ccagaggaag ccaggctgag ccaagaagct ggaagtatct tg 472

<210> 869
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 869
 cctttcttgt aagtgaagaa aaaggaatgc agcaaagaag agttcgacat tggagtcctt 60
 agttccatca ggatcccatt cgcagccttt agcatcatgt agaagcaaac tgcacctatg 120
 gctgagatag gtgcaatgac ctacaagatt ttgtgttttc tagctgtcca ggaaaagcca 180

```

tcttcagtct tgctgacagt caaagagcaa gtgaaacccat ttccagccta aactacataa 240
aagcagccga accaatgatt aaagacctct aaggctccat aatcatcatt aaatatgccc 300
aaactcattg tgacttttta ttttatatac aggattaaaa tcaacattaa atcatcttat 360
ttacatgg                                     368

```

```

<210> 870
<211> 411
<212> DNA
<213> Homo sapiens

```

```

<400> 870
ggcgtgtcct tggacttaga gagtggggac gtccggcttc ggagcgggag tgttcgttgt 60
gccagcgact aaaaagagaa ttaaatatgg gtgatgttga gaaaggcaag aagattttta 120
ttatgaagtg ttcccagtgc cacaccgttg aaaagggagg caagcacaag actgggcca 180
atctccatgg tctctttggg cgggagacag gtcaggcccc tggatactct tacacagccg 240
ccaataagaa caaaggcatc atctggggag aggatacact gatggagtat ttggagaatc 300
ccaagaagta catccctgga acaaaaatga tctttgtcgg cattaagaag aaggaagaaa 360
gggcagactt aatagcttat ctcaaaaaag ctactaatga gtaataattg g 411

```

```

<210> 871
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 14, 15, 27, 108, 113, 159, 199, 215, 221, 229, 245, 258,
260, 277, 284, 293, 309, 311, 325, 339, 350, 374, 377
<223> n = A,T,C or G

```

```

<400> 871
tttttttttt ttnnnnttttt ttttttnaaa gattcacttt atttattcat tctcctccaa 60
cattagcata attaaagcca aggaggagga ggggggggtga ggtgaaanat ganctggagg 120
accgcaatag gggtaggtcc cctgtggaaa aagggtcana ggccaaagga tgggaggggg 180
tcaggctgga actgagganc aggtgggggc acttntccct ntaacactnt cccctgttga 240
agctntttgt gacgggcnan ctcaggccct gatgggngac ttencaggcg tanactttgt 300
gtttctcgna ntctgctttg ctcancgtca ggggtgctgnt gaggctgtan ggtgctgtcc 360
ttgctgtcct gctntgngac actct                                     385

```

```

<210> 872
<211> 184
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 17
<223> n = A,T,C or G

```

```

<400> 872
cttccttcgg tcttttantat ttttgattgt tatgtaaaac tcgcttttat tttaatattg 60
atgtcagtat ttcaactgct gtaaaattat aaacttttat acttgggtaa gtccccaggg 120
ggcgagttcc tcgctctggg atgcaggcat gcttctcacc gtgcagagct gcacttggcc 180
tcag                                     184

```

<210> 873
 <211> 397
 <212> DNA
 <213> Homo sapiens

<400> 873
 ctgtgggctc tgaatggcgt ccctttggct atccacgccg ccggcgacca ctgaattctg 60
 tggttctaca acagggctctg gctgaccgaa ttgtcagaga cgtccaggaa ttcatacgata 120
 accccaagtg gtacactgac agaggcattc cttacagacg tggctacctg ctttatgggc 180
 cccctgggtt cggaaagagc agttttatca cagccctggc tggggaactg gagcacagca 240
 tctgcctgct gaggctcacg gactccagcc tctctgatga ccgactcaac cacctgctga 300
 gcgtggcccc gcagcagagc ctggtactcc tggaggatgt ggatgctgct tttctcagtc 360
 gagacttggc tgtggagaac ccagtaaagt accaagg 397

<210> 874
 <211> 156
 <212> DNA
 <213> Homo sapiens

<400> 874
 ccagaagaac actatgccat gggtgcactg aattttgtgc ctactctagg gcaaacagaa 60
 ttacaatcga aggagttcct atctatctgt aaagaagaga acatgaaatt ctggtggcag 120
 aagcagcatt ttgaagaaat aaaaggttca ctgcag 156

<210> 875
 <211> 512
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 504
 <223> n = A,T,C or G

<400> 875
 ccagcatagc gaaaacttgt ctctactaaa aatacaaaaa ttagtcaggc atggtggtgc 60
 acgtctgtaa taccagcttc tcaggaggct gaggcacgag gatcacttga acccaggagg 120
 aggaggttgc agtgagctga gatcatgcca gggcaacaga atgagacttt gtttaaaaaa 180
 aaaaaaagtg acttgattta agggaaaaaa tgactggcta tattcagtca gatatggcaa 240
 agagtctcaa ggtgttaatg tgaatgatta aggtcttggg gggggtgtcc cctatcagac 300
 tacagggtgt tagaggcaca gaaaaagggt cagttgggtt cttaatgtga aatgatgaga 360
 agcacaactc cagtgtgtct ctttgtgtag aatgtcagca gacaccccct gctagatgtg 420
 ctggatcatg ggaaagcatt tccatttgtt aatagattgt tcagaagttt taatttatga 480
 tgggtgtggt ggctcatgcc tgtngtccca gc 512

<210> 876
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 876
 cctgtgccgg gccccagggc tggcagccac cagctcctct tccaggcatg ggggacaccc 60
 tgacaggatc cggaagtctc catttaccba aaaatgcaag agccatgatc agtcatggcg 120


```
<210> 877
<211> 486
<212> DNA
<213> Homo sapiens
```

```
<210> 878
<211> 363
<212> DNA
<213> Homo sapiens
```

```
<210> 879
<211> 365
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 357
<223> n = A,T,C or G
```

$\langle 210 \rangle$	880
$\langle 211 \rangle$	431

<212> DNA
<213> Homo sapiens

<400> 880
ccatctcccc tcacccaac ctggataaaa tgttacacta cccactaata taaccactga 60
cacacaaacc aagctccttc cagtttaaca ttgaacatca atctacattt ccagtgaatg 120
agctaaactt atgagcaggc cattcaactt ttcattgatac atttagtgct cagaaatggg 180
tgattccatt agcctgccct atagctcagg tggcccaaga tggagcctat catcttcctt 240
ggggtgtttg gtgtttccaa gtaggagcat aaaaaggata ccgtccccta ccccaccacc 300
ccatcccaca taccctcact ggcattccagg agaccagcag caggctcaag accccaaatg 360
ttgggcacca caaataatgt gatatgtgcc aggagcacgg ggggtagggg tgaaagagaa 420
aaacaataag g 431

<210> 881
<211> 335
<212> DNA
<213> Homo sapiens

<400> 881
ccacagaggt ggtattacaa aatatacaaa gtgggtttctt tctttacatt tcatagaaga 60
agcctgcctc atttccaaat gagagcacta gaagcacaaa tcatgcagac catttactat 120
ataacttatg aaaaatgctg tacagggctg tgactataga tatagagtat ttggctctgt 180
ttgggaattg atatctacaa gggggagggt caggggagga ctgtctgata tcctgacttg 240
ctgggatggt ggagaagctg ggatggggga ggccccaatc ttgctgcacg gctacacca 300
ctcctccttt cctagataag gctggagcgc actgg 335

<210> 882
<211> 353
<212> DNA
<213> Homo sapiens

<400> 882
atgcactcaa agattggatt ttacagctac ttgcaattca aaattcagaa gaataaaaaa 60
tgggaaacata cagaactcta aaagatagac atcagaaatt gttaagttaa gctttttcaa 120
aaaatcagca attccccagc gtagtcaagg gtggacactg cacgctctgg catgatggga 180
tggcgaccgg gcaagctttc ttctctgaga tgctctgctg cttgagagct attgctttgt 240
taagatataa aaagggggtt ctttttgtct ttctgtaagg tggacttcca gcttttgatt 300
gaaagtccta ggggtgattct atttctgctg tgatttatct gctgaaagct cag 353

<210> 883
<211> 193
<212> DNA
<213> Homo sapiens

<400> 883
ctggcagaga agaatggcta cgtgactgtc agtgagatca aagccagtct taaatgggag 60
accgagcgag cgcggaagt gccggaacac ctgctgaagg aagggttggc gtggctggac 120
ttacaggccc caggggaggg ccactactgg ctgccagctc tcctcactga cctctactcc 180
caggagatta cag 193

<210> 884
<211> 461
<212> DNA
<213> Homo sapiens

ctgaagaacc	ccatcagcgg	gctgttagaa	tatgcccaagt	tgcctagtca	aacctgtgag	60
ttcaacatga	tagagcagag	tggaccaccc	catgaacctc	ggtaagagac	cacccaggaa	120
ctgtacctag	ggttggggtc	aggtgctttt	gctcctgacg	cagtcttggc	tgatttgatga	180
gcagtgcgtg	ttggtggcgc	ctatcttttc	ctccttccct	tctgcctttt	agctaaattc	240
cccttgattg	gccctttctc	cagatattga	gcagggaata	tagaccttgg	accagccaga	300
atcttggctg	aacaaggggg	aggttgactc	tgttggctgt	aatgaagctt	ctttagaaat	360
gattggtttt	ggcgcgtacg	ggtggctcat	gcctgtaatc	ccagcacttt	ttgaggccga	420
ggcaggcata	tcacgaggtc	aggagtttga	gaccagcctg	g		461

<211> 266

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

<222> 14

<223> n = A, T, C or G

<400> 885

ctgcaatgct	tcancacact	tcagcaccga	ggctgggcat	gaggggtccg	tcaccaccac	60
atcaaatacc	cctaaagcaa	tatctttgtt	atgggcactt	gaatggtgct	gcttcacaga	120
ggctgcacca	ccagtcatga	ggatctcaga	ccagagctcc	aggaagtctt	gctgttggtc	180
tgataccaag	agtaccttca	gattctggaa	aggattttca	cgggggttgc	agtcacagaat	240
tcttttgctcc	tcaaggctgt	acccag				266

<210> 886

 $\langle 211 \rangle$ 402

<212> DNA

<213> Homo sapiens

<400> 886

cgcgtggttt	ccgattgttt	gatagtattt	actggagaga	tcatagaaac	gactgtgaac	60
cgatgtcaca	ccaggaaggt	tgttgagcat	ttcttcaaca	tcttcaattg	tttcctttgt	120
aacctgtagg	tccccgatgt	ttaatttttag	agctccaatt	gctgtttttac	acaggatcac	180
tgcctcatca	ttacttttca	ccttctcacg	agtctttttcc	agaaaagtaa	gagccacatt	240
aggatcagtc	atctgtctaa	ctacatgaag	aatgattttcc	acgagggaca	aagggttcac	300
cctgtgttca	aattcactga	taaagttttc	ataaagctta	atgagaccat	ctccttgggc	360
aaagcacgga	tcctgcacaa	aatcaagcac	ctgaagtgtc	ag		402

<210> 887

<211> 342

<212> DNA

<213> Homo sapiens

<400> 887

ccaaagcgag	agcattggca	gtgaattgca	gacactcttc	cttggtcatg	ccttcccggg	60
aggtagcatc	aacatagcca	tagatgtagg	agctcccgga	gcctccaatg	gcaaaggact	120
gccttaccat	cataccccc	ataggcactg	agtacacctg	ccctccttct	tgagggtccc	180
agcctgcgat	gatgattccc	gccatcaggt	cttcccggta	tcggtaacac	atctccttaa	240
agaggctggc	tgtgtgtgtg	accagtggag	gctcattcag	ttcaatgctg	tggaaaccga	300
gctggtaggt	gacagcatca	gctactgcct	qggtatcagc	ag		342

<210> 888
 <211> 228
 <212> DNA
 <213> Homo sapiens

<400> 888
 cgcgctcgcc aaggctgctg ctgttgctcc tccaaagaag gttggcttca aggccgtgtc 60
 cagggaccca cgagcagagg cactgggggg caagggatct ccaagggggc aagggatccc 120
 taaagggggt agctcacagg tgaggggggt tagggccctt ctagggagcg cctgaggcca 180
 tacattcaag agtgtccctg gtgaggccca gggaagagcc aggactgg 228

<210> 889
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 889
 ttggcttttc tccccttctc atcctcctct cccctttcct cactgaaggc tgtgagttgc 60
 tttcaatgtg acaacactat gatgtcattt ggaaggattt gccaggacag actgattctg 120
 agtctctgggt gccgtatgtg tatgcggcag tgttgctcagg cgatcttggt tgaagctcta 180
 tgttgccata attaccatca agtacacact gttggcaaaa ggctaacacc tgactttagg 240
 aaatgctgat ttgagaacaa aaggaaaggt cttttttcac tgcttaaagt ggggtcactt 300
 tgataccttt gcggtcatgt ctgtgtctga tgagtgtaga atctctggat gtgcactgtc 360
 agtcatgtgt ccaccagg 378

<210> 890
 <211> 215
 <212> DNA
 <213> Homo sapiens

<400> 890
 ccatttttga gtgtgtccat tgggtagcaa tgtggaaacc accagggcct ttgtggagaa 60
 aatggagggg gttgaggagg tcccaggagg ggcttatttg agggcctttg ccacttgctc 120
 ataggcgagc tcgatctcct catcatctgg acaggtggaa gcgaattctt cccgggcgta 180
 ggcattgctc aagtaccgat gcactccccg gaagg 215

<210> 891
 <211> 412
 <212> DNA
 <213> Homo sapiens

<400> 891
 ctgggtcaagt tcaacagagc cttggctgac cattctatgg ctccaggcacc tcggctcatt 60
 gatggcattg ttcttaccac atttgatacc attgatgaca aggtgggagc tgctatttct 120
 atgacgtaca tcacaagcaa acccatcgctc tttgtgggca ccggccagac ctactgtgac 180
 ctacgcagcc tcaatgccaa ggctgtgggt gctgccctca tgaaggctta acgtggctct 240
 tgcccaatac caaatcgccg ctttccccac aagcccttct tcctgtatca agaattgtgt 300
 ttagagtatg tgagcaacct gtcttcagtg tagtacaag gcagagttag ggggcttgtg 360
 gtccttcca accccactcc ccgttcagca cagccgccaat ctgcaaggaa gg 412

<210> 892
 <211> 472
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 85, 169, 171, 181, 201

<223> n = A,T,C or G

<400> 892

```

tttttttttt tttttttttt ttaattacta cttttttattc taatgtgaac catggccctg 60
aaagctgata acaagcttgg ctgancagag ggaactaggg gtcggcagaa aggattatgg 120
gtggaaaaca ttggctcttc cttggggagt gatgctgggg aaaggggaana nagtggctca 180
ncctgcaggt aaataggcta naaaagccaa ggccaaaggc tggaggggag aggacagtca 240
gcatgtccag cctgggggtct ggggtgtagg ttatcccttc tccctgtgcc ttcccatctc 300
gtccatgagc ctaggctctg gagccttgtg ttggaggctg ctgtgatgtc aggaacgggg 360
atctgtctag cttttggcca cttcctggga cctcacgccc ctgttgacag atggagattg 420
ggcagcaggg ccttgctgcg ttgttatctg ctgttccgac ttggtttgtc tt 472

```

<210> 893

<211> 477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 436, 447, 449

<223> n = A,T,C or G

<400> 893

```

caaagattca cttttatttat tcattctcct ccaacattag cataattaaa gccaaaggagg 60
aggagggggg tgaggtgaaa gatgagctgg aggaccgcaa taggggtagg tcccctgtgg 120
aaaaagggtc agaggccaaa ggatgggagg gggtcaggct ggaactgagg agcaggtggg 180
ggcacttctc cctctaacac tctccctgtg tgaagctctt tgtgacgggc gagctcaggc 240
cctgatgggt gacttcgcag gcgtagactt tgtgtttctc gtagtctgct ttgctcagcg 300
tcagggtgct gctgaggctg taggtgctgt ccttgctgtc ctgctctgtg acactctcct 360
gggagttacc cgattggagg gcgttatcca ccttccactg tactttggcc tctctgggat 420
agaagttatt cagcangcac acaacanang cagtttccag atttcaactg ctcatca 477

```

<210> 894

<211> 289

<212> DNA

<213> Homo sapiens

<400> 894

```

ctgtcttatg gctatgatga gaaatcaacc ggaggaattt ccgtgcctgg ccccatgggt 60
ccctctggtc ctcgtgggtc ccctggcccc cctggtgcac ctggtcccca aggcttccaa 120
ggtccccctg gtgagcctgg cgagcctgga gcttcaggct ccatgggtcc ccgaggtccc 180
ccaggtcccc ctggaaagaa tggagatgat ggggaagctg gaaaacctgg tcgtcctggg 240
gagcgtgggc ctcctggggc tcagagtgtc cgaggattgc ccggaacag 289

```

<210> 895

<211> 179

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14
 <223> n = A,T,C or G

<400> 895
 ctggatgggt ccanacaaag tggaatccct ggaaccttta actgagcagt gaaggtcagt 60
 gcctcagagc ctgagagatg aacaggacca gagagagagg tgggcaggca ggcacaaggt 120
 tatgtcttcc tcagactcgg aaccctgctc ttctccacca tccagacgtt cagctacag 179

<210> 896
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 367
 <223> n = A,T,C or G

<400> 896
 ccactcactg ctgggaccca ggcacctccc ttctccatcc tctctggatt gtcagtaatg 60
 tcctggaaca gaagcctgtg ggatggcctt gggcacggag aagccctggg gtcagtgtcg 120
 tgcacggatg gcggcagtgt tgaacccagg aggetgaacc cggcccacca cggaagatga 180
 gtgcatggca accgcctgcc ttcacgtcgc tccacttggg aaccccaagg tctgggctgt 240
 tctaggtatt gcttcacgtg ccccagcaag cccttaacaa gagggcctgg ttccctgaag 300
 aaccaatccc aggaaggggc cttgatccct ccgccttgct gagagtgaac cctcgtctct 360
 cctcacnctc catttcattt ctgggaattg gggcttagtt tcgaaccttt ggcaaggctg 420
 ttcttactaa tgcccaagcc cctttacccc tctccctata gggtacacag gggagaccag 480
 ggctcgggca gaagactgct gccacacttc cgaatcatte tgcttgccaa ataggatcatc 540
 ttcaccagtt gactgac 557

<210> 897
 <211> 495
 <212> DNA
 <213> Homo sapiens

<400> 897
 ctggaatctc ctttgcaatc ccatctgata agattaataaa gttcctcacg gagtcccatg 60
 accgacaggc caaaggaaga gccatcacca agaagaagta tattggtatc cgaatgatgt 120
 cactcacgtc cagcaaagcc aaagagctga aggaccggca ccgggacttc ccagacgtga 180
 tctcaggagc gtatataatt gaagtaattc ctgatacccc agcagaagct ggtggtctca 240
 aggaaaacga cgtcataatc agcatcaatg gacagtccgt ggtctccgcc aatgatgtca 300
 gcgacgtcat taaaagggaa agcaccttga acatgggtgg cgcaggggtt aatgaagata 360
 tcatgatcac agtgattccc gaagaaattg acccataggc agaggcatga gctggacttc 420
 atgtttccct caaagactct cccgtggatg acggatgagg actctgggct gctggaatag 480
 gacactcaag acttt 495

<210> 898
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 898


```

ccacgactgc atgcccgcgc ccgccaggtg atacctccgc cggtgaccca ggggctctgc 60
gacacagggg gtctgcatgt ctaagtgcga gacatgctca gctttgtgga tacgcggact 120
ttgttgctgc ttgcagtaac cttatgccta gcaacatgcc aatctttaca agaggaaacc 180
gtaagaaagg gccagccggg agatagagga ccacgtggag aaaggggtcc accaggcccc 240
ccaggcagag atggtgaaga tgggtcccaca ggccctcctg gtccacctgg tctcctggc 300
ccccctggtc tcggtgggaa ctttgctgct cagtatgacg gaaaaggagt tggacttggc 360
cccgaccaa tgggcttaat gggacctaga ggccacctg gtgcag 406

```

<210> 899

<211> 277

<212> DNA

<213> Homo sapiens

<400> 899

```

cctaagagtc attaaaaaat tctccctttg taacctcagt gctggggact gaggcgagcc 60
ccctcaggtc gctggagtgc accagtcttg gggaagaggt gcaggagaag ctgtgttttt 120
tatctccaca cgcagtatga agataaaatt acatagtatt acctagacat agacagtatt 180
acctaggtag atgcactgct cacctgcacc cttcccagct ctcatTTTTT ttaggtgatt 240
tgggataggg atagtgtttt ggggtatggg gggagtg 277

```

<210> 900

<211> 389

<212> DNA

<213> Homo sapiens

<400> 900

```

ctgttttgaa atatttactg ttattaaaac ttgcttcaag ggaaattgtg aatatatttc 60
catatacaag cactagtaac agtaagtggc cctgtcatcc actaactcag gcaaagtaaa 120
gaatggcatt tttgaaggac attttacctc cccatatgat ttgattggct aggactttct 180
tctgtaaagt catacctttt cacatcttaa gtttttacat ttgccatttt ccaaactctca 240
atTTTgggca agaacgatat agtcacaact atggggctgc tttcaaaagc ggggctccat 300
ttctactgtc agatcaatgt ggtgctgtaa ccactTTTTT atccctacct tcaagaacct 360
ccttatatga agcctgtctt tatccatca 389

```

<210> 901

<211> 453

<212> DNA

<213> Homo sapiens

<400> 901

```

ctggagacac ccacttgggt ggagaagatt ttgacaaccg aatgggtcaac cattttattg 60
ctgagtttaa gcgcaagcat aagaaggaca tcagtgagaa caagagagct gtaagacgcc 120
tccgtactgc ttgtgaacgt gctaagcgta ccctctcttc cagcaccag gccagtattg 180
agatcgattc tctctatgaa ggaatcgact tctatacctc cattaccctg gcccgatttg 240
aagaactgaa tgctgacctg ttccgtggca ccctggaccc agtagagaaa gcccttcgag 300
atgccaaact agacaagtca cagattcatg atattgtcct ggttggtggt tctactcgta 360
tccccaaagt tcagaagctt ctccaagact tcttcaatgg aaaagaactg aataagagca 420
tcaaccctga tgaagctgtt gcttatggtg cag 453

```

<210> 902

<211> 293

<212> DNA

<213> Homo sapiens

<400> 902

```

cctccggcgcg cccccacggc tcccatggcc tcttcctgcg ctaccgtgtg gaggccctaa 60
ccctgcgtgg catcaatagc ttccgccagt acaagtatga cctggtggca gtgggcaagg 120
ctttggaggg catgttccgc aagctcaacc acctcctgga gcgcctgcac cagtccttct 180
tcctctactt gctccccggc ctctcccgtc tcgtctccat tggcctctac atgcccgtg 240
tcggcttctt gctcctgggc cttggtctca aggcctctga actgtggatg cag 293

```

<210> 903

<211> 228

<212> DNA

<213> Homo sapiens

<400> 903

```

ctggagactc tggggccagga gaagctgaag ctggaggcgg agcttggcaa catgcagggg 60
ctggtggagg acttcaagaa caagtatgag gatgagatca ataagcgtac agagatggag 120
aacgaatttg tcctcatcaa gaaggatgtg gatgaagctt acatgaacaa ggtagagctg 180
gagtctcgcc tggaagggtc gaccgacgag atcaacttcc tcaggcag 228

```

<210> 904

<211> 388

<212> DNA

<213> Homo sapiens

<400> 904

```

ccaagcgctc agatcggcaa ggggcaccag tcttgatctg ccagtgacac agccccacaa 60
ccaggtcagc gatgaaggta tcttcagtct cccccgaacg atgaggcacc atgacgcccc 120
aaccattggc ctggggccagc ttgcacgcct gaagagactc ggtcacggag ccaatctggt 180
tgactttgag caggaggcag ttgcaggact tctcgttcac ggccttggcg atcctctttg 240
ggttggtcac tgtgagatca tccccacta cctggattcc tgcactggct gtgaacttct 300
gccaagctcc ccagtcatcc tgggtcaaagg gatcttcgat agacaccact gggtagtcct 360
tgatgaagga cttgtacagg tcagccag 388

```

<210> 905

<211> 272

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14

<223> n = A,T,C or G

<400> 905

```

ccggagccca cggnggtcat ggctgccaga gcgctctgca tgctggggct ggtcctggcc 60
ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120
ccagccaagg acagggtgga ctgcggctac ccccatgtca cccccaagga gtgcaacaac 180
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gcccctgcag 240
gaagcagaat gcaccttctg aggcacctcc ag 272

```

<210> 906

<211> 525

<212> DNA

<213> Homo sapiens

<400> 906

```

ctgtgcaccc gagtgtcctt tcccccttaa gctggcacat aggagcaaaa gttcactaac 60
cctgcagtgg aaggcaccaa ttgacaacgg ttcaaaaatc accaactacc ttttagagtg 120
ggatgagggg aaagaaatag tggtttcaga cagtgtcttct tcgggagcca gaagcactgc 180
aagttgacaa agctttgtcc ggcaatgggg tacacattca ggctggccgc tcgaaacgac 240
attggtacca gtggttatag ccaagagggt gtgtgctaca cattaggaaa tatccctcag 300
atgccttctg caccaaggct ggttcgagct ggcacacat gggtcacgtt gcagtggagt 360
aagccagaag gctgttcacc cgaggaagtg atcacctaca ccttggaat tcaggaggat 420
gaaaatgata accttttcca cccaaaatac actggagagg atttaacctg tactgtgaaa 480
aatctcaaaa gaagcacaca gtataaattc aggtgactg cttct 525

```

<210> 907

<211> 365

<212> DNA

<213> Homo sapiens

<400> 907

```

gtaaatttta agtctttcag ttttatagat acggaaaaca agggtgactc tttaccacag 60
gatgaataaa gaactaagta atatgggaaa tgcagcaatt tctggactag ctgagccgat 120
tccttcctgt gagcacactg taagctttca agttctctgg gcaggaatta cagcacctgt 180
cccctgcaat ggccctgctg tgtgatgctc atcgcttccc ttcgtgctgg agcagtcctc 240
caggtgtcca tctcctatct ttttggtcca atcttctgtg agttccagct agcaggcttt 300
acatctgggg aaaggaaaac caggggtttt agctctgttc tctgctccca tccttcgctc 360
accag 365

```

<210> 908

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 594

<223> n = A,T,C or G

<400> 908

```

cggaggtgcc tcagccatgg catggatccc tctcttcctc ggcgtccttg cttactgcac 60
aggacgtgcg gcctcctttg aggtgaccca gccaccttca atgtccgtgt ccccaggaca 120
gacagccaag atcacctgca ctggagatag gttgggggat gaatatgttt gctggtatca 180
acagaagcca ggccagtccc ctgtattgat aatatatttg gataacaagc ggccctcggg 240
gatccctgac cgattctctg cctacgcctc tgggaacaca gccactctga tcatcagcgg 300
ggcccaagtt atggatgagg cttattatta ctgtcaggcg tgggacggca gaactgtggt 360
gttcggcgaa gggaccaacc tgaccgtcct aggtcagccc aaggctgcc cctcggtcac 420
tctgttcccg ccctcctctg aggagcttca agccaacaag gccacactgg tgtgtctcat 480
aagtgacttc taccggggag ccgtgacagt ggcttggag gcagatagca gcccgtcaa 540
ggcgggagtg gagaccacca caccctccaa acaaagcaac aacaagtacg cggncagcag 600
ctatctga 608

```

<210> 909

<211> 513

<212> DNA

<213> Homo sapiens

<400> 909

```

ctggtctcaa actcctcacc tcaactgata cgcccacctt ggccctccaa agtgctggga 60
ttataggtgt gagccaccgt gcccaaagtt aagtattttt gatcaagtgt tttgtctttt 120
gtgcaaggca tttgtggctc tgtcatagca gaggaaaaca aaacatgcct atcaaatgaa 180
tcaagtcgga cctcttctca tattgagcaa ctagaggtct aggaacattt cccctacctg 240
tcattctcat ctggcatacc aggtgtacat actccttctt attctcctct gttaccaaga 300
tggtggcccc attgggtttg aggtcacgaa ctccacaaac tccaaactct tggacctcag 360
tgctgaagggt gaggtcatag cctagtgtgg agacatcatt ttccagcaga taaaccagac 420
cttggtagaa gtggtaatat tcaactctca tatctgtata tctgactgac ttgcccaaga 480
tgtgtttgta aaaggatcga gtaaagtagc act 513

```

```

<210> 910
<211> 272
<212> DNA
<213> Homo sapiens

```

```

<400> 910
ccggagccca cgggtggcat ggctgccaga gcgctctgta tgctggggct ggtcctggcc 60
ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120
ccagccaagg acaggggtga ctgcggctac ccccatgtca cccccaagga gtgcaacaac 180
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gccctgcag 240
gaagcagaat gcaccttctg aggcacctcc ag 272

```

```

<210> 911
<211> 263
<212> DNA
<213> Homo sapiens

```

```

<400> 911
cctgcaggta caaattgacc aggctgttga cggctgcctc cacgtcgggtg gaataattct 60
gacgaatctg ggagctcatg gttgggttggc aagaaggagc taaccacaaa aacgggtgctg 120
gcaggcccca gaagcaggag atggccgaga agatgggtccc ggaggttgca agcggagagg 180
aaatcggagg gcggtcggag gctggaagag agtccccgga tctgttccgt ccaaacactg 240
ttgaagcaag agacagaccc gcg 263

```

```

<210> 912
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<400> 912
ctgtgagcac cagcccaacc ctacctcttt aaaaagaaaa aacacaagtc cactctgaag 60
tcagcctctg taacctcccc acaagaaaac cgttttacat cagtcactaa ccaaacaacc 120
aacagtgttt caacacagaa agtaaagcat tatccagggc ttggactgtc tttcaagaaa 180
gccccaaatc ccctggcagg aggaagtcac agcagtgaag ccccatccca ggcccagttg 240
ttcccacgaa acacaccacg tggagaccca gcatgactgc cgactgattc caagtcccca 300
ggagggcttt attttttctt ttcaacatcc tgttctgcgg cttecttggc actttttgcc 360
cgtatgccga agagccgggc gttggcacgg gccatacgga gactagcgaa ggctttgaaa 420
ttcttctctt cctcagtgat gactcgagct ttctccttct tatagacgtt 470

```

```

<210> 913
<211> 426
<212> DNA
<213> Homo sapiens

```

<400> 913

```

cctggacacc ataaggctgg tgggctttca gaattgtgtt agggggggcag gagtggcagg 60
ttcctgaatc tcggtcaata tagtaaccag caggacaaga ggtgcaggag gagcccacat 120
cagaggcttc tagggcacag ggacggcagt aggaggccac gccattcata acattggtga 180
cattgatgga gtagatcttg gcaacgtcat tgggtgtactt cctgcttgcc tcatgaaaag 240
tggtcctctg gaaggcccag gtgaggctcg tggtagtggt ctcctcaatg atgtaggtat 300
aggactgttt gcctttggaa cctttccacg tctccacagg agtggttggtc ctagaattca 360
caccacccat gaagtagagc tcacagttca cagaacagag ggtctcaaag acaaattgtga 420
ttctgg                                     426

```

<210> 914

<211> 252

<212> DNA

<213> Homo sapiens

<400> 914

```

ccaagctggg ggtgcgacaca tgtggaagaa ctggaggccc ggtgtcatga gcagaggctg 60
taccctagat gcccgcacca gtgccagcca acccaagaca ggagaaagag tttggcagtt 120
tcgcctctga ggaatacatg cctggccctc ctgtgaggtg aggcggtagg ggggaaggcg 180
caggctccga agtctgaggg cttgccggag ggggagtttc tgagcctttt gcatgggtgc 240
atgccccctg cc                                     252

```

<210> 915

<211> 234

<212> DNA

<213> Homo sapiens

<400> 915

```

ccactgggac tttggcttcc tgatgccgat tgtggatttc tgctgcaaag acagtgatgt 60
tgagccagge tgtttcctct ctatccagag gttttgtagt tttaataaaa ccatcctctg 120
gattaatagt gaaaaatctg tcgaggtcag tgtgacgatc gatggaatac cttatcgggc 180
tgttggcagc atcagggctc ttggcatgca ctctcccaac cacggtgcca gcag          234

```

<210> 916

<211> 366

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14, 338

<223> n = A,T,C or G

<400> 916

```

ccattcagtc tcanttcaga aaattccaga agaagaaggc tgggtctcag tcctagtggg 60
agaaccccct cctagtccac ctgaaaacac caaattcaac catcatctgt caagaaatta 120
aaagaacaac accctagaga gaagtcattc acacacaatc cacacacgca tagcaaacct 180
ccaatgcatg tacagaaacc tgtgatattt atacccttgt aggaagggtat agacaatgga 240
attgtgagta gcttaatctc tatgtttctc tccattttca ttcctcctgc aactattttc 300
cttgatgttg taataaaatg aagttacgat gagtgatnaa aaaaaaaaaa aaaaaaaaaa 360
aaaaaa                                     366

```

<210> 917

<211> 492

<212> DNA
<213> Homo sapiens

<400> 917
ggcacagcga gggcagcatc tggaggagct ctgcagcctc cacacctacc acgacctccc 60
agggctgagc tcaggaaaaa ccagccactg ctttacagga caggggggtg aagctgagcc 120
ccgcctcaca cccacccccca tgcactcaaa gattggattt tacagctact tgcaattcaa 180
aattcagaag aataaaaaat gggaacatac agaactctaa aagatagaca tcagaaattg 240
ttaagttaag ctttttcaaa aaatcagcaa ttccccagcg tagtcaaggg tggacactgc 300
acgctctggc atgatgggat ggcgaccggg caagctttct tcctcgagat gctctgctgc 360
ttgagagcta ttgctttgtt aagatataaa aaggggtttc tttttgtctt tctgtaagg 420
ggtcttccag cttttgattg aaagtcctag ggtgattcta tttctgctgt gatttatctg 480
ctgaaagctc ag 492

<210> 918
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 527
<223> n = A,T,C or G

<400> 918
ctgctcctgg gtaggcgtgc gggccatata gtaggggtag gatactagcc gctcgccgcc 60
gttcagattt gctcccagca cgaaggggtt cttctccatc caggcaatga tggcccggac 120
ctccgtggat accgtggcat ctggcgaaag gtagcgttca gggatgggca agttattgtt 180
ggggaccggt taggggaccc atttcctctc ctcagctccc cagagcacag agttgagatc 240
cgggaaatct tcaaagatgt caaagccctc ctcagtccac agtcccagcg cccagttccc 300
aaactctgag cccatctgcg ctgccacctc gtagccatca gggttcagtg agggcaccag 360
gtggatgcgt gtgtcctgca ccaggctgcg cacacgtggg tccccatcgc ggtactctcg 420
gcacaggtag tgcattgagca gcagcaacag ctctcggccc agcacctcgt tgccatggat 480
cccagcagtg tagcggaaact cgggctcccc cagttcatgc tccccanggt tgtctgagat 540
ctccatggca tagatct 557

<210> 919
<211> 407
<212> DNA
<213> Homo sapiens

<400> 919
ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
ggagacgatg tcatcatcat cgggggtcttt aagggggaga gtgaccacgc ctaccagcaa 180
taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcatcaca 240
gaaatagcaa agttcttgaa agtctcccag gggcagttgg ttgtaatgca gcctgagaga 300
ttccagtcta agtatgagcc ccggagccac atgatggacg tccagggtct caccagagac 360
tcggccatca aggacttcgt gctgaagtac gccctgcccc tggttgg 407

<210> 920
<211> 340
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14, 15, 304, 318, 319, 325
 <223> n = A,T,C or G

<400> 920
 cctcttgggc agcnnagggc cctgcctctg tttcatgatg catgggtcat ttgtcttggg 60
 tgtcctatcc catatggaga agaaaggggc tctaagttct ggctcttctt tctttggggg 120
 tctctgtacc tgaggaaacc aggccctggg tgactttgca gatctgctca ccctcgggtga 180
 gcaacagtgt cagccatgca agcaggacag aatgggtgact gggtgccctt ggtgagctgt 240
 gtatttccta ggaggtagaa aactgtggga aactgtggct aataaaaact aagtgtgagc 300
 gtcnaaaaaa aaaaaaanna aaaanaaaaa aagcttgtac 340

<210> 921
 <211> 571
 <212> DNA
 <213> Homo sapiens

<400> 921
 ggaaaaataa ttttattcct caaatgatca gcacattcag aagcaggaca gaggagctct 60
 gatgacatct ctgggggact caaagcgggc ctcatcttct ggtatcttcc caggtgattc 120
 tcttccaacc tgtgagtcct gctctctttc ctcccatctg aagtttgaga catcctctgc 180
 cacaaggaaa gccaccaata ccagcccaaa gagccaccag agaggaacca aaccacatgc 240
 atcaagttat aggaaggatg caagaaggga aattaggaag gaaagggagg agtttagttg 300
 gcattctggg gcatgctaac atgagggcga tggctctctc ccaagtcgct ggacatatcc 360
 cttttctttc caggtgctcc aactccaatt gcagtttggg ggaacgtgtg aaacttgttg 420
 aagtcctgcy tgtatgtgcc cagcatgcaa gtactcagat taccgcaccg cttagatctg 480
 gggctgtcca ggctggagcc ctctctctct tgctcctgct ccagctcact ggccttcac 540
 tgcacatagt cctgcaccag tgcagccagc a 571

<210> 922
 <211> 262
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 7, 12, 125, 198, 208, 214, 231, 253
 <223> n = A,T,C or G

<400> 922
 gccaanaca tncaggtcac agcagattcg ggcacgtgtg gaagaagggt ggatgatgtc 60
 atccacaaac cctcgcaact ctgcagggaagg agggttggca aacttctcga tgtactctgc 120
 ctgancagct tccacattct catgcccttt gaagatgatc tccacagcgc cctttgctcc 180
 catgactgca atctctgngg tgggccangc atanttggtg tcaccacaaa ngtgcttaga 240
 gctcatgaca tcntaggcac ct 262

<210> 923
 <211> 234
 <212> DNA
 <213> Homo sapiens

<400> 923

```

ccactgggac tttggcttcc tgatgccgat tgtggatttc tgctgcaaag acagtgatgt 60
tgagccaggc tgtttcctct ctatccagag gttttgtagt ttttaataaaa ccatcctctg 120
gattaatagt gaaaaatctg tgcagggtcag tgtgacgata gatggaatac cttatcgggc 180
tgttggcagc atcagggtct ttggcatgca ctctcccaac cacggtgcca gcag 234

```

```

<210> 924
<211> 152
<212> DNA
<213> Homo sapiens

```

```

<400> 924
ccaggattga caggccatcc attcacagcc aggagatgct gggccagttc ctccaagagg 60
tctccgtcat ggcagtgatg aaaacctaac aggggtggccc cctgtgccag ctcagggtgac 120
tggagcccga gggcctgaca ggttcccagc ag 152

```

```

<210> 925
<211> 400
<212> DNA
<213> Homo sapiens

```

```

<400> 925
caatatcatg ccaaggaccc aaacaacctc ttcattggtgc gcttggcaca gggcctgaca 60
catttaggga agggcaccct taccctctgc ccctaccaca gcgaccggca gcttatgagc 120
cagggtggccg tggctggact gctcactgtg cttgtctctt tcctggatgt tcgaaacatt 180
attctaggca aatcacacta tgtattgtat gggctggtgg ctgccatgca gccccgaatg 240
ctggttacgt ttgatgagga gctgcggcca ttgccagtgt ctgtccgtgt gggccaggca 300
gtggatgtgg tgggccaggc tggcaagccg aagactatca cagggttcca gacgcataca 360
accccagtgt tgttggccca cggggaacgg gcagaattgg 400

```

```

<210> 926
<211> 521
<212> DNA
<213> Homo sapiens

```

```

<400> 926
ccacgtccct atttttagaaa tgagaggagt gactgcacac aggaaaaaatg ccacttttag 60
caattcaaag tggaaaaaact tcttttatat aaaaattatc ccaactccca ccccttggct 120
ctcagtgttg catctcccac agaggtaaag ttgtgccatt ttcccacggc tttaaacaaa 180
gcaaaacaaa accaccaatc ctaataaccc ccctccctgc cccgtctcca cgctgtgcgg 240
agagggtctc agcccctcag tcggacttct ccttctcctt catgtgcaag aagacgatgc 300
tgaagatgaa gagccccagc atcatggaga aggcgctggc gtagtagggg taggccgagg 360
ggatgaagcg ctcatactgc gtgtgctgga gtggccgcac ggatacctga gtggaagagt 420
acagggtgtg ttagcctagc cggttgtaat ccactttaaa ctggaataca ccatacacgt 480
cgggcaactt gaactgaaca ctgtatttgc cacctttctt c 521

```

```

<210> 927
<211> 520
<212> DNA
<213> Homo sapiens

```

```

<400> 927
ccaggctagt ctggaactcc tgacctcagg tgatctgcct gcctcggcct cccaaagtgc 60
tgggattacc ggcgtgagcc accatgcctg gccttacatt ttttaaaatg agggaaacaaa 120
tgaataaatg accaccatgt taggggctgg ctctgaacag aattgtaaag tgggccaagc 180

```

```

ttgctctcaa ggtcacctta agcccacggt tgctgtgtcc tgccctctca gggtcatttc 240
ccagcctcca ggcacctgtt cacagaggct gcatctggcc tcgcctccac ccctccatcc 300
taagggtgctc cgctgactta gaacaggaca gtcagggaga gaatgtgtct caggaggggtg 360
gagtcagatg atcacggcct tcctggcatc tgaggggata cagcttcggg tagcaaagtg 420
tgattttccc tgagccccag gaaagcttgg ccttggtcag aatacattga accctgaggg 480
ccagagagtc cctggggcaa gctctgagag ggaggacctc 520

```

<210> 928

<211> 492

<212> DNA

<213> Homo sapiens

<400> 928

```

ctgagctttc agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60
agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatatac ttaacaaagc 120
aatagctctc aagcagcaga gcatctcgag gaagaaagct tgcccggctcg ccctccatc 180
atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa 240
agcttaactt aacaatttct gatgtctatc ttttagagtt ctgtatgttc ccatttttta 300
ttcttctgaa ttttgaattg caagtagctg taaaatccaa tctctgagtg catgggggtg 360
ggtgtgaggg ggggctcagc ttcaaccccc tgtcctgtaa agcagtggct ggtttttctc 420
gagcccagcc ctgggaggtc gtggtaggtg tggaggctgc agagctctc cagatgctgc 480
cctcgctgtg cc 492

```

<210> 929

<211> 209

<212> DNA

<213> Homo sapiens

<400> 929

```

ttttttcacc atctaacaaa ggcactttat tgcattacca ttcacaatta acagtcaaga 60
acaaataata ataacaaata aaataacttt taagaggaca aggcattaga aataaaaaag 120
gacactaata acatttgtaa aagcttgtac tggatgtggt tgccccatt tgtgtgtgtg 180
gttgtgtgtg tgtggttgtg tgttggtgg 209

```

<210> 930

<211> 617

<212> DNA

<213> Homo sapiens

<400> 930

```

cgcgctcctt aacaagcccc gttctcaaaa ggctgggggt atttatataa gaacttattc 60
caaagtgact ctaagatcca tggtcccaag atctagtacg ggctattcat ggttctgagg 120
catgtccagc atgcaggcaa acttatctgt tcaaattgag gtaaaacaga caaaaaacac 180
ttaatatataa cagaagctac ataattaaaa ctaaccttct gctgcttatt taagctaata 240
atgtattctt accaaacaga gaccctcaag tcaatcattt cttttgattt tagttaccac 300
cccaaatta agcctcttct ttcaaagcca ttattagtta aaaaaaagtt ttaaaatgaa 360
gaaaaatatt tttccagaa cttgtatttt gtaattagtg tgatgcaatt tctttttatt 420
tttcaaactt agaaataact catgtatggg actatttggg atttttttca gataccaagg 480
aataccgaca ggattcataa ataggatttt ctgacactgg caggaaagtc tgctaacgtt 540
tacaaaatac caaagactct tctttcaagc ttcaaagatg gctgagaatt aacagttatg 600
attagttttt cagtaca 617

```

<210> 931

<211> 521

<212> DNA
<213> Homo sapiens

<400> 931
ccaacaaaat tgggtgaacac atggaagaac atggcatcaa gtttataaga cagttcgtac 60
caattaaagt tgaacaaatt gaagcaggga caccaggccg actcagagta gtagctcagt 120
ccaccaatag tgaggaaatc attgaaggag aatataatac ggtgatgctg gcaataggaa 180
gagatgcttg cacaagaaaa attggcttag aaaccgtagg ggtgaagata aatgaaaaga 240
ctggaaaaat acctgtcaca gatgaagaac agaccaatgt gccttacatc tatgccattg 300
gcgatatatt ggaggataag gtggagctca ccccagttgc aatccaggca ggaagattgc 360
tggtcagag gctctatgca ggttccactg tcaagtgtga ctatgaaaat gttccaacca 420
ctgtatttac tcctttggaa tatggtgctt gtggcctttc tgaggagaaa gctgtggaga 480
agtttgggga agaaaatatt gaggtttacc atagttactt t 521

<210> 932
<211> 197
<212> DNA
<213> Homo sapiens

<400> 932
ccttgtgacc aattacatat gattaaaatt acttcccaca ttcacatcca cagtactcgt 60
ccaccattta acatctcaac caaaacgtta cacatgtgaa acaatcacta acaggcaaaa 120
atactaaacc tgtatatattg gtattgcaaa tacacttatg catgagcaag caagggattc 180
acagtgagaa tctacag 197

<210> 933
<211> 610
<212> DNA
<213> Homo sapiens

<400> 933
cctcatTTTT acaatatctt ttttttgctc ttctgcttcc aaaccttatt tgccaatgta 60
atgcctttat ataaagtctt tatgatgaat gaaaaacttt caagtgctgt tgccctatta 120
aatgcattat ttattaattt aacttctagt actctcgata aagagccagt gaaatgagtt 180
attgagttcc agggaaaaaa atgagaacat aattttgaat ttattatctc tctatacaca 240
cacagttcat aattggatta catataataa taatatcaac aagtctatca gtatcgaagt 300
tgataactgg taatttctca tgtgaggctc ttgtgtcaca gtcagcatag atttctggag 360
catttgtctg ttgatctttt ggtggcctca aacctcatta agtgggtgtg gagatgctgt 420
ttctgccatg tgagaatgtg atggcagaat taacacaacc ccaccagggg tacaacagag 480
cactttacat ccaaaggcag agaggacac agcaatgcag aattccagca cacttaagag 540
gagcaccatg ccatccagac ccattaagat ggacatagtc ccatgacaat tatttgagtt 600
gccatagtag 610

<210> 934
<211> 384
<212> DNA
<213> Homo sapiens

<400> 934
ctgctaccag gggagcgaga gctgactatc ccagcctcgg ctaatgtatt ctacgccatg 60
gatggagctt cacacgattt cctcctgcgg cagcggcgaa ggtcctctac tgctacacct 120
ggcgtcacca gtggcccgctc tgccctcagga actcctctga gtgagggagg agggggctcc 180
tttcccagga tcaaggccac agggaggaag attgcacggg cactgttctg aggaggaagc 240
cccgttggct tacagaagtc atggtgttca taccagatgt gggtagccat cctgaatggt 300

ggcaattata tcacattgag acagaaattc agaaagggag ccagccaccc tggggcagtg 360
aagtgccact ggtttaccag gcag 384

<210> 935
<211> 125
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 23, 24
<223> n = A,T,C or G

<400> 935
nttaaaattc atggaagtaa tannacagta ataaaatatg gatactatga aaactgacac 60
acagaaaaac ataaccataa aatattgttc caggatacag atattaatta agagtgactt 120
cgtaa 125

<210> 936
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 519
<223> n = A,T,C or G

<400> 936
gcccatgcca gcgtgtggtc agcacgcaca acttgtggct gctgtccttc ctgaggaggt 60
ggaatgggag cacagccatc acagacgata ccctgggtgg cactctcacc attacgctgc 120
ggaatctaca accccatgat gcgggtctct accagtgcc gagcctccat ggcagtgagg 180
ctgacaccct caggaaggtc ctgggtggagg tgctggcagg ttctcccgcc aaggttctcc 240
ccctgcctcg aggaggaagg ggctggaggc tcatggctct gcctcccata gacccctgg 300
atcaccggga tgctggagat ctctggttcc ccggggagtc tgagagcttc gaggatgccc 360
atgtggagca cagcatctcc aggagcctct tggaaggaga aatccccttc ccaccactt 420
ccatccttct cctcctggcc tgcattcttc tcatcaagat tctagcagcc agcgccctct 480
gggctgcagc ctggcatgga cagaagccag ggacacatnc acccagtga ctggactgtg 540
gacctc 546

<210> 937
<211> 550
<212> DNA
<213> Homo sapiens

<400> 937
caccaatcaa aattcctggt ggtcctgaga ctttgggcag aatcatgaat gtcattggag 60
aacctattga tgaaagaggt cccatcaaaa ccaaacaatt tgctccatt catgctgagg 120
ctccagagtt catggaaatg agtggtgagc aggaaattct ggtgactgg atcaagggtg 180
tcgatctgct agctccctat gccaaaggtg gcaaaattgg gctttttgg ggtgctggag 240
ttggcaagac tgtactgatc atggagttaa tcaacaatgt cgccaaagcc catggtgggt 300
actctgtggt tgctgggtgt ggtgagagga ccggtgaagg caatgattta taccatgaaa 360
tgattgaatc tgggtgttat aacttaaaag atgccacctc taaggtagcg ctggtatatg 420
gtcaaatgaa tgaaccacct ggtgctcgtg ccggggtagc tctgactgg ctgactgtgg 480

ctgaatactt cagagaccaa gaaggtcaag atgtactgct atttattgat aacatctttc 540
gcttcaccca 550

<210> 938
<211> 192
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 28, 63, 148, 153
<223> n = A,T,C or G

<400> 938
tttttttttt tttttttttt ttttttttngg aaaaagccca aaaggcactt tattggaggt 60
ctntgcctcc attcacagga aaaaggagct gggagcccca tcctaagggt cccagcatca 120
gccactgga gggcctggaa cagtccanca ctntgtggga aaggagtggg gaggggaatg 180
ttttaaaaaa aa 192

<210> 939
<211> 337
<212> DNA
<213> Homo sapiens

<400> 939
ccaaaatatt ggaacacaca gaaccaaacc aggtgtgttc tacacctgca tgagtgaagg 60
atttccacgt agacacctag gaagagcccg catgccctag actcactcca gaggaaggat 120
tgatttgcaa ccagaaaggg agctgaaaac cacggagctc catggctctt cattcaaaag 180
ggaaaataat gattccacgt tgcttttttag agttcaaatac aacatctttc tggataaatc 240
tatttttttaa caatcttttt attatttgta aaagatatataa aaacaactcc catcagtagc 300
aatacaagggt tatacatttt aaccagattt tctcagg 337

<210> 940
<211> 362
<212> DNA
<213> Homo sapiens

<400> 940
cctgtccaaa cgtgcgcacc aggaccgagg ggagctccct cccaacacct gctaggaatt 60
gccaactttt aaatggatgg ggttttttat gggttgaacc tctgttaata cttttgtaca 120
ctctcactac agtttatatt tttataggct attttctcaa ggtgtttcta gattccacat 180
atctatttta tataacaagt tattatgtta tgtgtgtgac tcccttgtgt gtatctgtgc 240
cagcctcagc ctccgagttg cttttccctc tggccctgac tctcactgac tcaccgatgt 300
ggtgtgcagg cccacttctt accccagata gcctcgggag ctgcctgtag tcatgccgac 360
ag 362

<210> 941
<211> 216
<212> DNA
<213> Homo sapiens

<400> 941
ctggacatct ttccagcccg ggatacctac catcctatga gcgagtaccc cacctaccac 60
acccatgggc gctatgtgcc ccctagcagt accgatcgta gccctatga gaaggtttct 120

gcaggtaatg gtggcagcag cctctcttac acaaaccag cagtggcagc cacttctgcc 180
aacttgtagg ggcattgtgc ccgctgagct gagtgg 216

<210> 942
<211> 324
<212> DNA
<213> Homo sapiens

<400> 942
ctgattggct tcaggccccc tacctctata aactctacca gcattactac ttcctggaag 60
gtcaaattgc catcctatat gtctgtggcc ttgcctctac agtcctcttt ggcctagtgg 120
cctcctccct tgtggattgg ctgggtcgca agaattcttg tgcctcttc tccctgactt 180
actcactatg ctacttaacc aaactctctc aagactactt tgtgctgcta gtggggcgag 240
cacttggtgg gctgtccaca gccctgctct tctcagcctt cgaggccagg gagcctcaaa 300
tcttcagtct ctcagagacc acag 324

<210> 943
<211> 597
<212> DNA
<213> Homo sapiens

<400> 943
ctgacaaaat tcctgggtta ctaggtgtct ttcagaagct gattgcatcc aaagcaaagt 60
accaccaagg tttttatctt ctaaacagta taatagagca catgcctcct gaatcagttg 120
accaatatag gaaacaaatc ttcattctgc tattccagag acttcagaat tccaaaacaa 180
ccaagtatat caagagtttt ttagtcttta ttaatttgta ttgcataaaa tatggggcac 240
tagcactaca agaaatatat gatggtatac aacccaaaat gtttggaatg gttttggaaa 300
aaattattat tcctgaaatt cagaaggtat ctggaaatgt agagaaaaag atctgtgcgg 360
ttggcataac caaattacta acagaatgtc ccccaatgat ggacactgag tataccaaac 420
tgtggactcc attattacag tctttgattg gtctttttga gttacccgaa gatgatacca 480
ttcctgatga ggaacatttt attgacatag aagatacacc aggatatcag actgccttct 540
cacagttggc atttgctggg aaaaaaagag catgatcctg taggtcaaat ggtgaat 597

<210> 944
<211> 359
<212> DNA
<213> Homo sapiens

<400> 944
ctggaagagg aaaaggagat actgcagaaa gaactctctc aacttcaagc tgcacaggag 60
aagcagaaaa caggactgtt tatggatacc aaggtcgatg aattaacaac tgagatcaaa 120
gaactgaaag aaactcttga agaaaaaacc aaggaggcag atgaatactt ggataagtac 180
tgttccttgc ttataagcca tgaaaagtta gagaaagcta aagagatgtt agagacacaa 240
gtggcccatc tgtgttcaca gcaatctaaa caagattccc gaggtctctc tttgctaggt 300
ccagttgttc caggaccatc tccaatccct tctgttactg aaaagagggt atcatctgg 359

<210> 945
<211> 367
<212> DNA
<213> Homo sapiens

<400> 945
caggatctga agtttggggg cgagcaggat gttgatatgg tgtttgcgtc attcatccgc 60
aaggcatctg atgtccatga agttaggaag gtcttgggag agaagggaaa gaacatcaag 120

```

attatcagca aaatcgggaa tcatgagggg gttcggaggt ttgatgaaat cctggaggcc 180
agtgatggga tcatgggtggc tcgtgggtgat ctaggcattg agattcctgc agagaagggtc 240
ttccttgctc agaagatgat gattggacgg tgcaaccgag ctgggaagcc tgtcatctgt 300
gctactcaga tgctggagag catgatcaag aagccccgcc ccactcgggc tgaaggcagt 360
gatgtgg                                     367

```

```

<210> 946
<211> 335
<212> DNA
<213> Homo sapiens

```

```

<400> 946
ccacagaggt ggtattacaa aatatacaaa gtgggtttctt tctttacatt tcatagaaga 60
agcctgcctc atttccaaat gagagcacta gaagcacaaa tcatgcagac catttactat 120
ataacttatg aaaaatgctg tacagggctg tgactataga tatagagtat ttggctctgt 180
ttgggaattg atatctacaa gggggagggg caggggagga ctgtccgata tcctgacttg 240
ctgggatggg ggagaagctg ggatggggga ggcccacatc ttgctgcacg gctacacca 300
ctcctccttt cctagacaag gctggagcgc actgg                                     335

```

```

<210> 947
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<400> 947
cctcttgag ccatccttt actgcattgt ggacagcgag tgtaagtcaa gggatgtgct 60
ccagagttac tttgacctcc tgggggagct gatgaagttc aacgttgatg cattcaagag 120
attcaataaa tatatcaaca ccgatgcaaa gttccaggta ttcctgaagc agatcaacag 180
ctccctggtg gactccaaca tgctggtgcg ctgtgtcact ctgtccctgg accgatttga 240
aaaccaggtg gatatgaaag ttgccgaggt actgtctgaa tgccgcctgc tcgcctacat 300
atcccaggtg cccacgcaga tgtccttcct cttccgcctc atcaacatca tccacgtgca 360
gacgctgacc caggagaacg tcag                                     384

```

```

<210> 948
<211> 173
<212> DNA
<213> Homo sapiens

```

```

<400> 948
ctgtggaggg gacactgtct ttgaggcatc actgggtcca caaagggtag ggggaaggctt 60
tgagggacca ccccatgccc tcattaatca accagaagct tggcctggag cagcagcggg 120
gattccagta gctgtgggca tacaggatgc tagggcggcc acaaccagc cag                                     173

```

```

<210> 949
<211> 211
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 13, 14
<223> n = A,T,C or G

```

```

<400> 949

```

```

ccatccacgt tgnnaaacag aataaaatgg aaattcacct tgtcatctac ccgacattgg 60
ccttcctgtg ccacggcatc atgggctgcc tgtatggcct cattcttttc aaagcatttt 120
gctctgtctt caggggacat tttctctgtt tcagaaagaa actgtttcag aactgatcca 180
tcctcaaadc ccagtttgtc ttgattattg g 211

```

```

<210> 950
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<400> 950
cctcatcgtg agtcaggacg tggtgaaagc tgcagtggct gctgtgctct ctccagaaga 60
attcatggtc ctggttgact ctgtgcttcc tgagagtgcc catcggctga agtcaagcat 120
cgggctgata aatgaaaagg ctgcagataa gctgggatct acccagatcg tgaagatcct 180
aactcaggac actcccagat tttttataga ccaaggccat gccaagggtg cccaactgat 240
cgtgctggaa gtgtttccct ccagtgaagc cctccgccct ttgttcaccc tgggcatcga 300
agccagctcg gaagctcagt ttacaccaa aggtgaccaa cttataactca acttgaataa 360
catcagctct gatcggatcc ag 382

```

```

<210> 951
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 421, 456
<223> n = A,T,C or G

```

```

<400> 951
cctctctgcc aggcaaagga gggagctgcg gctctttgac attaaaccag agcagcagag 60
atacagcctt ttcctccctc tccatgaact ctggaaacag tacatcaggg acctgtgcag 120
tgggctcaag ccagacacgc agccacagat gattcaggcc aagctcttaa aggcagatct 180
tcacggggct attatttcag tgacaaaatc caaatgcccc tcttatgtgg gtattacagg 240
aatccttcta caggaaacaa agcacatttt caaaattatc accaaagaag accgcctgaa 300
agttatcccc aagctaaact gcgtgttcac tgtggaaacc gatggcttta tttcctacat 360
ttacgggagc aaattccagc ttcgggtcaag tgaacgggtc gcgaagaagt tcaaagcgaa 420
nggaacgatt gacctgtgaa ttctttgccg tctaangcag ttgtttatga cag 473

```

```

<210> 952
<211> 312
<212> DNA
<213> Homo sapiens

```

```

<400> 952
ctgatgggtc tcatagtcct ctgggatggg gtcattgcag cggtaacgca gggtggccca 60
gatgatgttc tcctgggaga agcagaagac ccccaagcgg ccaccccgca tggttgtgtc 120
caagaccacg ttgctgtcgg ccaccagctc agggccctca tagaatcgca ccctgatgta 180
gcccaacttg ggccgggtgct gcaggaacca acgataggac ttcttgtcct tccaaccac 240
gtttcgcggg tccttccaca gcagccgcac ctgagactct gtgtctcctg tatgccacag 300
agcgttccgc ag 312

```

```

<210> 953
<211> 397

```

<212> DNA
<213> Homo sapiens

<400> 953

```
cgcggtccact gccgaccctc ttggttttctg aaaccaacct ttcttcctgc tctcctcttt 60
aagagcaaac cccaacatgt ataaggtcac agcaagtggg agccaggaaa agctgtggga 120
cccctcattt gagtcacatc catatggcat ggagaaagaa aacctctctg ccagaaggaa 180
ctgaactctg gaagtcctaa ggaaggtcac catgatcagc agataggaaa gcattgccaa 240
gggctgtccc tcaagagctt agttttctta gggagaccag aaagacatca gatcctgact 300
gccctgtttt gctcaagtgc tgaaatgagt ggcatgatga agagctgggt gagctgaggg 360
aaagagtcaa ccatgtgggg tggggtagtg aggaagg 397
```

<210> 954
<211> 304
<212> DNA
<213> Homo sapiens

<400> 954

```
cctttgtacc gggccagcaa ctggaagggc acagtgtgga attccagggc ctgcagagtc 60
ttcttctgga acagggcctc gtggctccag tacagggaca ggttgaactg cagctcaaag 120
agctcctcag ggagcatcat ggggaagcgg atcttctcca ccaagccctc cacctcctca 180
tgaggaggcac gctcccccca gctccagggtg tccacggcct tcagtagggc cagctcgctg 240
ggcaccgcca ggtcgctcct gggcagcagc agttggagca ggtctgtggg gacactgggc 300
cagg 304
```

<210> 955
<211> 156
<212> DNA
<213> Homo sapiens

<400> 955

```
ctgtttcaac tccctgccaa gaaaaatgta gatgcaattc tggaggagta tgcaaattgc 60
aagaaatcgc agggaaatgt tgataataag gaatatgcgg tcaatgaagt tgtggcagga 120
ataaaagaat atttcaatgt gatgttgggc actcag 156
```

<210> 956
<211> 543
<212> DNA
<213> Homo sapiens

<400> 956

```
ctttcatctg accatccata tccaatgttc tcatttaaac attaccagc atcattgttt 60
ataaccagaa actctggtcc ttctgtctgg tggcacttag agtcttttgt gccataatgc 120
agcagtatgg agggaggatt ttatggagaa atggggatag tcttcatgac cacaaataaa 180
taaaggaaaa ctaagctgca ttgtgggttc tgaaaagggt attatacttc ttaacaattc 240
tttttttcag ggacttttct agctgtatga ctgttacttg accttctttg aaaagcattc 300
ccaaaatgct ctattttaga tagattaaca ttaaccaaca taattttttt tagatcgagt 360
cagcataaat ttctaagtca gcctctagtc gtgggttcac tctttcacct gcattttatt 420
tggtgtttgt ctgaagaaag gaaagaggaa agcaaatacg aattgtacta tttgtaccaa 480
atctttggga ttcatggca aataatttca gtgtggtgta ttattaaata gaaaaaaaaa 540
att 543
```

<210> 957
<211> 528

<212> DNA
<213> Homo sapiens

<400> 957
ctgtgatcaa gatgtattaa aagaatatga aagagcatct gggttattct agaagttctg 60
tgatcaaaac atattaataa aaattaaagc gcatctgggt tattctagaa gttcctgggc 120
tttataacttg gatatttaca gaggaagttg aacttcaagt tctgccactc ttcaaaatgg 180
gtgacaggag aggacgtgat aggacagtta aaaaaaaatt gatagtcatt ctctgatgga 240
gtgaagcaag ctttgtcaac catcaacaaa tatgacttca ttggtcacaa gccctgcaga 300
gatccaacaa gatttgagtt tttaaatacag aacatatttc aaacagaacc agcagagtgc 360
tgatgtatga atggaattga ttgctgaagg cagagagtat aaagaatctc aagaaacttt 420
tagtgccatt ttcatttaat aagccattgg tatagcaacc taaaaacctt ggctgtgatg 480
acaccaggat gtgtttatgg aattgctgca ggagaacaca attggcag 528

<210> 958
<211> 451
<212> DNA
<213> Homo sapiens

<400> 958
ctgtctgacc atggggacct tctgtctgaa gaggagctgg atgaatgaga ctctgggaat 60
catctacaca ggaccaaacc caacaggcgc cctggcaccg gggaggcggg tagttgtact 120
ctgcttgtag agtccttgag cccagtttac agatctggag agcaggaggc caggacaagg 180
acaaaggctg gaggatggag taggaccag gggctctgcc atcctaggca tcattcaagg 240
tcttttatga agactttaca gatgtcctct gtaagtagca tcgagagtgg agttcagctc 300
ctttctctac ttttttttgg tctgatggca catatttatt gttctgtggg ctaatcacag 360
tgtttctaaa tgtaaaaagt gcatatgttg gtgtagctag tcccgcgaca ttgagctcct 420
ctgcatgaag acactgggct cctgcatcca g 451

<210> 959
<211> 158
<212> DNA
<213> Homo sapiens

<400> 959
ccagaccaag gctgctggac ctatgggaat attcgggtgt ctgtagagga tgtgactgtc 60
ctgggtggact acacagtagc gaagttctgc atccagcagg tgggcgacat gaccaacaga 120
aagccacagc gcctcatcac tcagttccac tttaccag 158

<210> 960
<211> 235
<212> DNA
<213> Homo sapiens

<400> 960
ctgagcaggg aatccggccg gaggaaggag cagcttaccg actgcgggtg ttcaccacag 60
gccaggccct aatatgcacc cactagttta gctcagactc ctctctacat atgaatggca 120
aaggcacttt tgatatacac tgtaaaatac actgtatttt agaatcgga tctattttct 180
aatgttcccc tcaagggtg agtggcagga aggttgagga tgcaggactt tgcag 235

<210> 961
<211> 375
<212> DNA
<213> Homo sapiens

<400> 961
 cctggaaaga aaagggatat gtccagcgac ttggagagag accatcgccc tcatgttagc 60
 atgccccaga atgccaacta aactcctccc ttctcttctt aatttccctt cttgcatcct 120
 tcctataact tgatgcatgt ggtttggttc ctctctggtg gctctttggg ctggtattgg 180
 tggctttcct tgtggcagag gatgtctcaa acttcagatg ggaggaaaga gagcaggact 240
 cacaggttgg aagagaatca cctgggaaaa taccagaaaa tgagggccgc tttgagtccc 300
 ccagagatgt catcagagct cctctgtcct gcttctgaat gtgctgatca tttgaggaat 360
 aaaattatth ttccc 375

<210> 962
 <211> 409
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14, 26, 73, 74, 81, 103
 <223> n = A,T,C or G

<400> 962
 ctggggaggc ccncggggc tctcangtgg acagggtccag gcattgggtg aagctggatg 60
 aagctggggc ctngctcct nctcatcaa tacagatcac tnggacctg tcctcctcca 120
 tgggtgctgt ctctcggcc cactgcccc tgcttctgct ttcttcctcc acctcctcct 180
 cccccagctc catgtccagc tcgttgccctg cctctgaggg tgtgtaggtg gagccactga 240
 tggaaacggca gctaaagaag acgattcgct tgagccgctt gttgtagaag aagtagttga 300
 aggaccagag gctaccatcc tccccgaagg gatctgagtc caagtctggg ttatagctgt 360
 agatgtcaca ttcagccagg cagatctcct cgtccaccgc gttccacag 409

<210> 963
 <211> 163
 <212> DNA
 <213> Homo sapiens

<400> 963
 gccatggcgt cctattttcga tgaacacgac tgcgagccgt cggacctga gcaggagacg 60
 cgaaccaaca tgctgctgga gctcgcaagg tcaacttttca ataggatgga ctttgaagac 120
 ttgggggttg tagtagattg ggaccaccac ctgcctccac cag 163

<210> 964
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 964
 ccactgggctg agttattggc ctggcaggta tagagtccgc tgttcttctc agtgatggtg 60
 gagataaaga gctcttgtgt gtgttgctgg atgttcccat caatcagcca agaatactgt 120
 gcagggtgggt tagaggctgc atggcaggag aggctgaggt tcaccttg acggaatag 180
 gtgtatgagg gggaaatggt ggggtcgtct gggccataga ggacattcag gatgactggg 240
 tcgctgtggt caacacttaa ttcgttctgg attccacact cataggggtc tacatcattc 300
 cttgtgacac tgagtagagt gagggctcctg ttgtcattgg acag 344

<210> 965
 <211> 461

<212> DNA
<213> Homo sapiens

<400> 965
ctgagctttc agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60
agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatatc ttaacaaagc 120
aatagctctc aagcagcaga gcatctcgag gaaggaagct tgcccgggtc ccatcccatc 180
atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa 240
agcttaactt aacaatttct gatgtctatc ttttagagtt ctgtatgttc ccatttttta 300
ttcttctgaa ttttgaattg caagtagctg taaaatccaa tctttgagtg catgggggtg 360
ggtgtgaggg ggggctcagc ttcaaccccc tgtcctgtaa agcagtggct gggttttcct 420
gagcccagcc ctgggaggtc gtggtaggtg tggaggctgc a 461

<210> 966
<211> 246
<212> DNA
<213> Homo sapiens

<400> 966
cctttcacag acactaccat tgagtggggt gatgcagggt gcagccttca gtccccgagt 60
actgggttct gataaaattc cacagaatcc agcatcactg ggctcagacg gcatccactg 120
tagtaaaacta tttgtaaatg gggacatatc ttcccagcac cagtaggaca cattgatctt 180
ccgaaggccg acccatgggg ttaaggtgag cttggacatg ctctgagatg actgcattat 240
tcgcag 246

<210> 967
<211> 244
<212> DNA
<213> Homo sapiens

<400> 967
ctggagcatt ggcagggaca gtcagaaagg agacaagtga aaacgggtcag atggacacag 60
gcggaggaga aaagacagag ggagagagac catcggaac aatcagaggg gccgagacga 120
tcagaaaagg gtcagcccga gacaggctga gccagagttt ctagaagcag tttccaattc 180
aacggctcgc tttgagggcc aacgtgtcct aggccgaggg tgcagaagcg ctcacacact 240
cacg 244

<210> 968
<211> 436
<212> DNA
<213> Homo sapiens

<400> 968
ccaaagtctt taccctattht aacccttgt atatttctga ctgctcactg ttcatattat 60
aggggaccag atttgtaata tagaattctc cataacatga atgaaattaa tgctgtccaa 120
gccagcatgg tggcttcata ttaagtagta acagaagtct gaacaattgg ataaatttga 180
cttccaagac agctaaactt ttcaactgca attttaaaaa ctacactaca ctgttatagt 240
taatctgaca aaaatgtcct caaagagtac tttattttat ttaaagcatc tgtttaattc 300
aacctttaat aattttgcaa agaagggtac gtgtgtattht taatatagcc tgacctgaat 360
ttatatgttht ttagctthttag tattttaactt tttgtaacaa ataaaccttht tttaaaacaa 420
gtttaaaaaa gaaaaa 436

<210> 969
<211> 383

<212> DNA
<213> Homo sapiens

<400> 969
ctggctccct tgtctccagg gctttggagg atcagggtag ggagggctct gtctctaagc 60
caggtgtcag gatcagaatc atgggtagaa ggtgccattc agctcacagc cgcacccaga 120
atcctttgca gccctccttc tttatTTTTT tccattgca ttctgggagt ccacatctgg 180
ctttctcagc cactgttcat caccaggggt tttaggagga aggcttggct cctgtcttcc 240
cagacccacc atgcctggag aggtcaggat ggaactacct cattcggcga attagcccca 300
aattgaacgc tgaatcgtgt cccatgagat caggcgccat ctgtaaagtc tcctctggaa 360
atgccaatcc atccttcccc cag 383

<210> 970
<211> 543
<212> DNA
<213> Homo sapiens

<400> 970
ctgtagcttt tgtgggactt ccactgctca ggcgtcaggc tcaggtagct gctggccgcg 60
tacttggtgt tgctttgttt ggaggggtgt gtggtctcca ctcccgctt gacggggctg 120
ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
gcagccttgg gctgacctag gacggtcagc ctggtccctc cgccgaacac cgaagtgcta 300
ctgtttgtat atgagctgca gtaataatca gcctcgctct cagcctggag cccagagatg 360
gtcagggagg ccgtgttgcc agacttggag ccagagaagc gattagaaac ccctgagggc 420
cgatcagtga catcataaat catgagtttg ggggctttgc ctgggtgctg ttggtaccag 480
gagacatagt tataaaaacc aacgtcactg ctggttccag tgcaggagat ggtgatcgac 540
tgt 543

<210> 971
<211> 416
<212> DNA
<213> Homo sapiens

<400> 971
ccagactgac ttcaaaaaat taatgtgtat ccagggacat tttaaaaacc tgtacacagt 60
gtttattgtg gttaggaagc aatttcccaa tgtacctata agaaatgtgc atcaagccag 120
cctgaccaac atgggtgaaac cccatctgta ctaaataaa aaaaattagc ctggcatggg 180
gggtgtacgc tgtaatccca gtgacttggg aggctgaggc aggagaatcg cttgaacccg 240
ggagggcgag gttgcagtga gctaagatcg caccactgta ctccagcctg ggcaacagcg 300
agactccatc tcaaaaaaaa aggaaatgtg tatcaagaac atgattatcc aggggtatTT 360
tctaattcag atcatcaaac tgattatata gaagagttgg ctttaaaatg tttgca 416

<210> 972
<211> 242
<212> DNA
<213> Homo sapiens

<400> 972
ccaaaaatcc caaaacatca ttttcaatca gtagagaagt gcttaggggt gaaaattgat 60
ttcatttgct actgaatttg gtaaatcctg ggtaactttt atcaagatga agacatttta 120
ccctacctac tctagaaata tacaacaatg ttatatTTTA cactccttgg aaacatttga 180
ggaaaaaat gcaatttgca cttcactttg ttggaatatc ccatagcact caataaactc 240
ag 242

<210> 973
 <211> 347
 <212> DNA
 <213> Homo sapiens

<400> 973
 cctgcagggg atggaacctt ccagaagtgg gcggctgtgg tgggtgccttc tggagaggag 60
 cagagataca cctgccatgt gcagcatgag ggtctgcccc agccccctcac cctgagatgg 120
 gagctgtctt cccagcccac catccccatc gtgggcatca ttgctggcct ggttctcctt 180
 ggagctgtga tcaactggagc tgtggtcgct gccgtgatgt ggaggaggaa gagctcagga 240
 cattttcttc ccacagatag aaaaggaggg agttacactc aggctgcaag cagtgcacagt 300
 gcccagggct ctgatgtgtc tctcacagct tgtaaagtgt gagacag 347

<210> 974
 <211> 571
 <212> DNA
 <213> Homo sapiens

<400> 974
 gaaagagcga gatgcgagaa cactttttggc taaaaatctc ccttacaaag tcaactcagga 60
 tgaattgaaa gaagtgtttg aagatgctgc ggagatcaga ttagtcagca aggatgggaa 120
 aagtaaaggg attgcttata ttgaatttaa gacagaagct gatgcagaga aaacctttga 180
 agaaaagcag ggaacagaga tcgatgggag atctatcttc ctgtactata ctggagagaa 240
 aggtcaaaat caagactata gaggtggaaa gaatagcact tggagtgggtg aatcaaaaac 300
 tctggtttta agcaacctct cctacagtgc aacagaagaa actcttcagg aagtatttga 360
 gaaagcaact tttatcaaag taccaccagaa ccaaaatggc aaatctaaag ggtatgcatt 420
 tatagagttt gcttcattcg aagacgctaa agaagcttta aattcctgta ataaaaggga 480
 aattgagggc agagcaatca ggctggagtt gcaaggaccc aggggatcac ctaatgccag 540
 aagccagcca tccaaaactc tgtttgtcaa a 571

<210> 975
 <211> 221
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 15
 <223> n = A,T,C or G

<400> 975
 ctggaggtgc ctcanaaggt gcattctgct tcctgcaggg gcttgaaaca ccaaggcact 60
 ccagggatcc tggagtcaaa gcagcagccc cggttggtgc actccttggg ggtgacatgg 120
 gggtagccgc agtccaccct gtccttggct ggcacggcac actggtttgc agacaggccc 180
 acgtactcct cagcagagct ggaggacagc aaggccagga c 221

<210> 976
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 976
 ccatcagatt gtcacagact tttataaccc tttgatccct accaacgtta agtatgagtt 60

tggccctgcc atcttcattg gctgggcagg gtctgcccta gtcatectgg gaggtgcact 120
 gctctcctgt tcctgtcctg ggaatgagag caaggctggg taccgtgcac cccgctctta 180
 ccctaagtcc aactcttcca aggagtatgt gtgacctggg atctccttgc cccagcctga 240
 caggctatgg gagtgtctag atgcctgaaa gggcctgggg ctgagctcag cctgtgggca 300
 gggtgccgga caaagg 316

<210> 977
 <211> 335
 <212> DNA
 <213> Homo sapiens

<400> 977
 cctgtttgtc tgtacagcaa tgcagatgcg caggcccatc ctgggtggagg acccagatgc 60
 agggagcaaa tattcgggtt gtgttgctaa gagtcgcagg aactactgct agtgatacta 120
 ggcttgctgc aggaggatgt cacgctgaga aaggagatg actaggagca gaaaaagtac 180
 tctcactgtt ccagcttcca gcccaatcct agcagaatga atgcatttta aaatcagtcc 240
 acattcacat gtgctgagaa ggttgttagt ggtccctcat ctgggcaaag cagacccaag 300
 atgggtgctaa gtgcagagtg cagagcattc ttgtg 335

<210> 978
 <211> 280
 <212> DNA
 <213> Homo sapiens

<400> 978
 cctaacaccc aagctcttcc ttgcagaaga gctgagatgc taaggagacc atctggagtg 60
 tcataataag cccttgggat ttgctgagct cccacatggc tttcttcaac cacctggccc 120
 actttcttca accacattcc actttggaat gcgtgtcttt aaggcaccac gtgatcttaa 180
 gaatgggctc tgtttttgaa ttcagcaatc caagttccta tctatctcgg tgggacctcc 240
 aaaaaaaga aaaaggattg gcttggcttc taatgtaagg 280

<210> 979
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 979
 ctgtccagat gacagtaaga ttccactgtc tgtaatcctc atgggtgccag gtctcctggg 60
 gcatctaggg caatgatgct actgcagttt atgcagttac acagtcaagt ctgtgccaaa 120
 ggaggtccca tccggcggcc aggtttctgt tcagtctggg gagcaatgcc aactggctgc 180
 ccccatagcc tggcatgagc tgatggccca gtgcaatccc aaagcaaaga agggcagAAC 240
 tgggccaaga agctgtggta atttgctctc cctgcctccg acagcgtcgt cctctccttt 300
 tgcagcccca cagcagg 318

<210> 980
 <211> 568
 <212> DNA
 <213> Homo sapiens

<400> 980
 ccagcactgg ctcttgatg gttttcctag gacattagga caagccgaag ccctggacaa 60
 aatctgtgaa gtggatctag tgatcagttt gaatatcca tttgaaacac ttaaagatcg 120
 tctcagccgc cgttggattc accctcctag cggaagggtg tataacctgg acttcaatcc 180
 acctcatgta catggtattg atgacgtcac tgggtgaaccg ttagtccagc aggaggatga 240

```

taaaccgcaa gcagttgctg ccaggctaag acagtacaaa gacgtggcaa agccagtcac 300
tgaattatac aagagccgag gagtgctcca ccaattttcc ggaacggaga cgaacaaaat 360
ctggccctac gtttacacac ttttctcaaa caagatcaca cctattcagt ccaaagaagc 420
atattgaccc tgcccaatgg gagaaccagg aagatgtggt cattcattca atagtgtgtg 480
tagtattggt gctgtgtcca aattagaagc taactgaggt agcttgcagc atctcttcta 540
gttgaaatgg tgaactgata ggaaaaca                                     568

```

```

<210> 981
<211> 550
<212> DNA
<213> Homo sapiens

```

```

<400> 981
ccatccccct ttagaacgta tcttaatgtg aacataaatt gttcttcatg atgcttaaaa 60
gcttacatat aattttcatt cttagaaaaa cgccacattt tggatcctgg atttttctga 120
atatcatgat tgaaaaaaac aaaacaaaaa atgaacccaa atcaaagtgt ggttaaactt 180
atatgagaaa gatttttcaa ccagatggtc attcaaaaaa gttggagctg taagtgccgg 240
cgactgagga cacagggtta attcctcgct gctggtggaa ggctagagaa catcttcaaa 300
agagggtagc aagacgtgct cctaggggag gctcagtgtg gtctcgtctg cccaagcatt 360
ttcagtcttg cttggtcaat gacatcgagt aagtttttgg catccacagc cagggcgtga 420
gcagcagtcg gcatttgctt tttgtactct tgctggaggg tggatcatgac atactgctgg 480
gccagtttca tcttggtgat gagctcaccg aggtcagagt tcaatagctt ctgtgccatc 540
tcaatctctc                                     550

```

```

<210> 982
<211> 524
<212> DNA
<213> Homo sapiens

```

```

<400> 982
ccaaggtcag aggctgatgc aacaggccct cttctcccca gggccaggct cctgtccagc 60
ctgggcactg cccagagtga tggcattggt ccgatgctg ttctgtctct gcttggacac 120
cttcgcaaag atttctttca ggacagtctc aaaggctagc tcaacattgg tagagtccag 180
ggctgaggtc tccaggaaga gcagtccatt gttttcagcg aacattcggg cctcctcagt 240
gggcacttcc cgggcctggc tgaggctact tttgttacc acgagcatga cgacgatcgt 300
ggcttcagca tggatcataga gctccttcag ccacgctcc accacagcat aggtctggtg 360
cttggttagg tcaaacacca ggagggcccc cactgcacca cgatagtacc cttgaagaca 420
aagttataat ctctctcagt tccattcccc atcttggtct cgcatggagg gtgcagggtg 480
cttcggggac agaggcgaca aatctgtgtg ttggctcaat gccc                                     524

```

```

<210> 983
<211> 140
<212> DNA
<213> Homo sapiens

```

```

<400> 983
ccttcgtgcc ctaacagcca gtcccctgtt aaagtggaag agacctgtgg ctgccgctgg 60
acctgccctt gtgtgtgcac aggagctcc actcggcaca tcgtgacctt tgatgggcag 120
aatttcaagc tgactggcag                                     140

```

```

<210> 984
<211> 358
<212> DNA
<213> Homo sapiens

```

<400> 984

```

tggagcggcc gcccggcagg tccaacgagt cacaacagtg caataggtag aggattaaaa 60
actgcatcaa acagggtgctg aaaataaata ctacctagga gaaggagggtg agagccctcg 120
tgtgggggttt gttttcgacc ccttgagtgt gtgtgggggtt tgtcttccga gccacgagcc 180
tggcctgtct cgcggtgctg ttcactctga cagagtgcgc ctgcagcacg ttgcctccag 240
ggcccagcct cccagaagcc tcagagcatc agagcatccg tcccatcgga tggaccagaa 300
acaagaaaat ggggtgggggt gaatcacagc tatcattcaa aggaaaggaa tttttttc 358

```

<210> 985

<211> 450

<212> DNA

<213> Homo sapiens

<400> 985

```

ctgaccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
acaagacaac ctgaagctaa atggatgccc cctgcagagt caacagggtcc agcctcacag 120
tgcacgcctt gagctacagc ctctcccaaa aggcattctt cccacagcct caacgccgag 180
caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
cagttgaaaa ctcaggattt ctagccaata accatagtta ccaccacctt acaaataaaa 300
agaaaatgcc agaaacatct ttaaatgcct tgtcacacca acagcaaagt gcacagagtg 360
aggagaacac gagagtgcct tttcatttta aaaatgtttg gaaatatgta caactttgat 420
acagtttcag ggtgctccag acacccatgg 450

```

<210> 986

<211> 340

<212> DNA

<213> Homo sapiens

<400> 986

```

cctcctgcc a gcagttcttg aagcttcttt ttcattcctg ctactctacc tgtattttctc 60
agttgcagca ctgagtggtc aaaatacatt tctggggccac ctcagggaac ccatgcatct 120
gcctggcatt taggcagcag agcccctgac cgtcccccac agggctctgc ctcacgtcct 180
catctcattt ggctgtgtaa agaaatggga aaagggaaaa ggagagagca attgaggcag 240
ttgaccatat ccagttttat ttattttatt ttaatttggt tttttctcca agtccaccag 300
tctctgaaat tagaacagta ggcggtatga gataatcagg 340

```

<210> 987

<211> 227

<212> DNA

<213> Homo sapiens

<400> 987

```

ccaatgcccc gagcaggccc tctttccatc ccgtgtcgga tgagctggtc aactatgtca 60
acaaacggaa taccacgtgg caggccgggc acaacttcta caacgtggac atgagctact 120
tgaagaggct atgtggtacc ttcctgggtg ggcccaagcc accccagaga gttatgttta 180
ccgaggacct gaagctgcct gcaagcttcg atgcacggga acaatgg 227

```

<210> 988

<211> 241

<212> DNA

<213> Homo sapiens

<400> 988


```

cctcttttta ccagctccga ggtgattttc atattgaatt gcaaattcga agaagcagct 60
tcaaacctgc cggggcttct cccgcctttt tccccggcgg cgggagaagt agattgaagc 120
cagttgatta ggggtgcttag ctgttaacta agtgtttggt ggtttaagtc ccattggtct 180
agtaagggct tagcttaatt aaagtggctg atttgcgttc agttgatgca gagtggggtt 240
t                                                    241

```

```

<210> 989
<211> 193
<212> DNA
<213> Homo sapiens

```

```

<400> 989
ccagccgtgt cccagacttg tagtttgatc ttcttcccct ctatatccac agtgcggatc 60
ttgaaatcaa ttccgatggt ggagatgtaa gtgttggtga agttgtcctc tgcaaagcga 120
atgatcagac aagtcttgcc ccccccgag tccccgatca gcagcaactt gaagaggtgg 180
tcgtaggctt tgg                                                    193

```

```

<210> 990
<211> 499
<212> DNA
<213> Homo sapiens

```

```

<400> 990
cctcaaccaa gagggttgat ggcctccagt caagaaactg tggctcatgc cagcagagct 60
ctctcctcct ccagcaggcg ccatgcaagg gcaggctaaa agacctccag tgcataca 120
tccatctagc agagagaaaa ggggcactga agcagctatg tctgccaggg gctaggggct 180
cccttgacga cagcaatgct acaataaagg acacagaaat gggggagggt ggggagccct 240
atttttataa caaagtcaaa cagatctgtg cgttcattcc cccagacaca caagtagaaa 300
aaaaccaatg ctgtggtttc tgccaagatg gaatatcct cctcctagtt ccacacatgg 360
cgtttgcaat gctcgacagc attgcactgg gctgctgtct ctgtgttctg gcaccagtag 420
cttgggcccc atatacactt ctcagttccc aacaagggtt tatgggccga ggggcaggct 480
ccaattttca agcacacga                                                    499

```

```

<210> 991
<211> 262
<212> DNA
<213> Homo sapiens

```

```

<400> 991
ctgccagcca ggctgtggtc agtcctctgg caggcaatct tcggcaccga gagcctctgt 60
ccattagtgt cagccccgag ggggccacga cggaggccgc ccaatgtcca ctgtgatatt 120
ggtgaagagt ggttgccgag acacctccaa gacctggtac cgcactgacc caatgccgtc 180
ccgcttcatg gtcagcttcg tgttttgaat cttggtaaac ctctgagggt taggttcgtt 240
atgcttgctg cggtcgtgct tg                                                    262

```

```

<210> 992
<211> 535
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 90, 91, 467, 524
<223> n = A,T,C or G

```

<400> 992

```

ctgctgcttg tgaaattcat gtgtggtact aagtacctta catgaattat ttcatttaac 60
cctcccaaca gtctcctttg tacgtgctgn nctctctgcc tggaaacact gtttcccacc 120
cccaaccccc aattcttctg tttatttttc ttgagacaga gtctcactgt gtagcccaga 180
ctggagtgcg gtggcgcgat ctcggtcac tccaatctcc gcctcccggg tccctgttca 240
agcagttctc ctgcctcagc ctctgagta gctgggatta caggcacacg ccaccatgtc 300
cagctaattt ctgtattttt agtagagatg gggttttcacg atgttggcta ggatgggtctc 360
gatctctggt cagagtcctt tctgtaaata tccttggtaa agaagcaatt ttagactgta 420
gctgttgcaa atgctttaag gaagaagcaa aacaactgtc agtcttnctg aatgaagaa 480
actacaccag ggctgctata tcagagcaac cccaaccagc actncaatca tgatg 535

```

<210> 993

<211> 232

<212> DNA

<213> Homo sapiens

<400> 993

```

ctgctgctct cccctcccag tctctactca ctgggatgag gttaggatcat gaggacacca 60
aaaacctaaa aataaaca aaagccaaaca agccttagct tttcttaaag gctgaaatgc 120
ctggaagtgt ccctttattt ataaaataac ttttgtcata tttcttatac atgtttcttg 180
taagaaattc agaaactaca gacaaagaga gtggaaatta cccactgtca gg 232

```

<210> 994

<211> 203

<212> DNA

<213> Homo sapiens

<400> 994

```

ccagcagatc atccacgacg accaccctct gtcctggctc cagggcgtct ttctgaatct 60
ccagctcagc cttcccgtac tccagggaat aggaggccca cagagtgggg cctggcagct 120
tcccccgctt tcggatgagc acgcagccca gtccaagctc ctggggccagg gaggggcca 180
agaggaagcc tcgggagtct agg 203

```

<210> 995

<211> 238

<212> DNA

<213> Homo sapiens

<400> 995

```

ccatgcctgc cccgcccact ctgtatatat gtaagttaaa cccgggcagg ggctgtggcc 60
gtctttgtac tctggtgatt tttaaaaatt gaatctttgt acttgcatg attgtataat 120
aattttgaga ccaggtctcg ctgtgttgct caggctggtc ccaaactcct gagatcaagc 180
aatccgcca cctcagcctc ccaaagtgt gagatcacag gcgtgagcca ccaccagg 238

```

<210> 996

<211> 379

<212> DNA

<213> Homo sapiens

<400> 996

```

ctgcagcctg ggactgaccg ggaggctctg accatttacc caccacaggt aggttgtgtt 60
ctgaacctca ggttcacagg tgaaggccac agcatccttg tcctccacgg ggttggagtt 120
gttgctggag atggagggct tgggcagctc cgggtataca tggaactgtc cggttgcttc 180

```

```

ttcattcaca agatctgact ttatgacttg tagggatatag aatcctgtgt cattctgggt 240
gacgttctgg atcagcaggg atgcattggg gtatatgtgc tctcgaccac tgtatgcggg 300
ccctggggta gcttggtgag ttcctattac atatactaca attagactgt tgccatccac 360
tctttcgcct ttgtaccag                                     379

```

```

<210> 997
<211> 210
<212> DNA
<213> Homo sapiens

```

```

<400> 997
ccatccgaag caagattgca gatggcagtg tgaagagaga agacatattc tacacttcaa 60
agctttgggt caattcccat cgaccagagt tgggccgacc agccttggaa aggtcactga 120
aaaatcttca attggattat gttgacctct accttattca ttttccagtg tctgtaaagg 180
ccgtggagaa gtgtaaagat gcaggattgg                                     210

```

```

<210> 998
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 61
<223> n = A,T,C or G

```

```

<400> 998
ggtggctgtg ctggggggcgc cccacaaccc tgctcccccg acgtccaccg tgatccacat 60
ncgcagcgag acctccgtgc ccgaccatgt cgtctgggtcc ctgttcaaca ccctcttcat 120
gaacccttgc tgcttgggct tcatagcatt cgcctactcc gtgaagtcta gggacaggaa 180
gatggttggc gacgtgaccg gggccca                                     207

```

```

<210> 999
<211> 315
<212> DNA
<213> Homo sapiens

```

```

<400> 999
ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60
atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggccttc 120
tggcagacct catgcaatgc cctccatggt aatattcatc agaaaatgga taattagggg 180
ggccagcaaa aatatcaagg gtcaaataac gcacatttct gtttaggcca tctatggctt 240
tcatctcctc tgaagtcaac tggaattcaa acacctgcac gttctgtctg atgcgctgct 300
cattgtagct cttgg                                     315

```

```

<210> 1000
<211> 186
<212> DNA
<213> Homo sapiens

```

```

<400> 1000
ctgttactca agaagatgta tttaatgctt gacaataaga gaaaggaagt agttcacaaa 60
ataatagagt tgctgaatgt cactgaactt acccagaatg ccctgattaa tgatgaacta 120
gtggagtgga agcggagaca gcagagcgcc tgtattgggg ggccgcccaa tgcttgcttg 180

```

gatcag

186

<210> 1001

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1001

```

ccacaaagcg gaaactcatc cacttttgcc tttttccgcc ccagggtcaaa aatgcgaatc 60
ttggcatcag ggacacctcg gcagaagcga gactttgggt acggcttggt cttacaatac 120
cggtacaac  gggcggggcg gcggcccatg gcgacaccag gatcttcagt ggc          173

```

<210> 1002

<211> 302

<212> DNA

<213> Homo sapiens

<400> 1002

```

ctgaatgcct gagcccagca gggagctgag gatcatgggg tactgggggg gcctgaagac 60
gtcgccgtgc accaacttcc acccagactc ctccatgggt tcttcaatgt catcctcctt 120
gttgtagttg gcaatgtcct tccggagggt ccgaatgata atcatgctca ggataacctga 180
caggaagaag accacaacaa cggagttaat gatagaaaac cagtggatct ggacgtcact 240
catggtcagg taagtgtccc agcgagaggg ccatttgata tcactttcct cccagtggac 300
ag          302

```

<210> 1003

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1003

```

cctgggcccg ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120
ggetcactgc aacctctgcc tcctgggctg cagtgattct cctgcgttca agtaattctc 180
ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
tttgatattt tagtagaaat ggggtttcac catgttggtg aggctggtct cgaactcccg 300
acctcaagga tcctcctgcc tcggcctcct aagggtgctg gattgcaggt gtgagccacc 360
acgtcttg          368

```

<210> 1004

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1004

```

ctgggcggat agcaccgggc atattttgga atggatgagg tctggcaccg tgagcagtec 60
agcgaggact tggctcttagt tgagcaattt ggctaggagg atagtatgca gcacggttct 120
gagtctgtgg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180
ttacagggtt gggcacagct cgtacacttg ccattctctg catatactgg ttagtgaggt 240
gagcctggcg ctcttctttg cgctgagcta aagctacata caatggcttt gtgg          294

```

<210> 1005

<211> 414

<212> DNA

<213> Homo sapiens

<400> 1005

```
ctgaagcact cttcagagac tacgtccaca gacactgatg ctgaggcctt tcttgtaagt 60
gaagaaaaag gaatgcagca aagaagagtt cgacattgga gtccttagtt ccatcaggat 120
cccatcgcga gccttttagca tcatgtagaa gcaaactgca cctatggctg agatagggtgc 180
aatgacctac aagattttgt gttttctagc tgtccaggaa aagccatctt cagtcttgct 240
gacagtcaaa gagcaagtga aaccatttcc agcctaaact acataaaagc agccgaacca 300
atgattaaag acctctaagg ctccataatc atcattaaat atgcccacac tcattgtgac 360
tttttatttt atatacagga ttaaaatcaa cattaaatca tcttatttac atgg 414
```

<210> 1006

<211> 272

<212> DNA

<213> Homo sapiens

<400> 1006

```
ccggagccca cgggtggcat ggctgccaga gcgctctgca tgctggggct ggtcctggcc 60
ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120
ccagccaagg acaggggtgga ctgcggctac ccccatgtca cccccaagga gtgcaacaac 180
cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gccctgcag 240
gaagcagaat gcaccttctg aggcacctcc ag 272
```

<210> 1007

<211> 313

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 14

<223> n = A,T,C or G

<400> 1007

```
cctgccttac tctnttccct ttccccaggg actcttggtt ttcagaagcc cctctggaat 60
gtcctacctg gcctaacccc ataccagcag tgcagacaag gaggcactcc tactatagtg 120
gggccagccc atggagagac tcaacttctg ccccaacacc tcttccccta gaccctgagg 180
gccaggacaa tgtcttagtg ctttccaact tggcagagtg aggccccatg agacagagag 240
aaagggggaa gagggaaata cttttatcca aataaatacc catccaaaat tatttgtgat 300
aggtgaaaaa tgg 313
```

<210> 1008

<211> 317

<212> DNA

<213> Homo sapiens

<400> 1008

```
cctcaatgtc gtgctagagg ggccgaagaa ggccgtgaac gacgtgaatg gcctgaagca 60
atgtttggca gaattcaagc gggatctgga atgggttgaa aggcctcgat tgacactggg 120
tccggtagcg gagatcgggt gatctgaggc gccagcacct cagaacaagg accagaaagc 180
tgttgatcca gaagacgact tccagcgaga gatgagtttc tatcgccaag cccaggccgc 240
agtgcctgca gtcttaccac gcctccatca gctcaaagtc cctaccaagc gaccactga 300
ttattttgcg gaaatgg 317
```

<210> 1009
 <211> 456
 <212> DNA
 <213> Homo sapiens

<400> 1009
 tttttttgta gggatatagaa aatacatttt taattttgat agagttcaca aatgacagca 60
 ttgacatttc tttaaacaaa tacttctgtc aaggcacagc attaccatgt gtccccagat 120
 gcccaagagg cagtgatttc atgtccccct gaggttttagc agagccacca atgtcaatag 180
 ggtggctgac ggggcctaga tttgctacca gataagccaa tgagacatgc tgtcagattt 240
 atggttacat aatcaagtat ttaaaaagat gcacaatagg taactgcaat gagcttggtc 300
 tgcatttagc gatagttcct ttcaaacaaa gaagatagtt ttcagtatca agaaggatgc 360
 ctatatgtat gtcttccatg gagcctttcc tacaaattgc tttcattaca cattaagg 420
 agttcagctt tattgtgacc ttcttgagtc attcag 456

<210> 1010
 <211> 196
 <212> DNA
 <213> Homo sapiens

<400> 1010
 ctgggcatgg gctgaggaga ggtcttgctt gcccccttca actttccatc tcagaactat 60
 aaactgctag gctgcaagga gagaagggt aagtgggggt cagacaggag agaagggcag 120
 gaggcagtga gccccgatga cccaccaact ccaccaggcc ctgacaggga agcccccttg 180
 gttagtatca ttttgg 196

<210> 1011
 <211> 449
 <212> DNA
 <213> Homo sapiens

<400> 1011
 ccttgcggt gctgcgaaag gccacggcgc tgctgccc cggggccgag tactttgatg 60
 gttcagagcc cgtgcagaac cgcgtgtaca agtcactgaa ggtctggtcc atgctcgccg 120
 acctgaagga gagcctcggc accttccagt ccaccaaggc cgtgtacgac cgcctcctgg 180
 acctgcgtat cgcaacaccc cagatcgta tcaactatgc catgttcctg gaggagcaca 240
 agtacttga ggagagcttc aaggcgtacg agcgcggcat ctgctgttc aagtggccca 300
 acgtgtccga catctggagc acctacctga ccaaattcat tgcccgtat gggggccgca 360
 agctggagcg ggcacgggac ctgtttgaac aggtctgga cggctgcccc ccaaaatatg 420
 ccaagacctt gtacctgctg tatgcacag 449

<210> 1012
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 274, 275
 <223> n = A,T,C or G

<400> 1012
 ccaggaccac aacccacgc tgtagctggt agcgcagggc aatcagggct ggggttcgct 60
 tgtgcttttt tgccaaggca caaaggactg ggtcctccaa gagcaccggg gagttcgggt 120


```

ccacccatgg ttcttctcgg tgggatccca gagcactata ggcaaccaga acaatgtctt 180
ttgacttgca gaaatccagc agttttctct ggttgaagta aggatgacat tccacctggt 240
tgcagacagg cttgtacttg agccctggct tgtnnaggat catctccag 289

```

```

<210> 1013
<211> 221
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 98, 99, 132, 133, 180
<223> n = A,T,C or G

```

```

<400> 1013
tctgtaaattg ctgcgttcct aatttagtaa aataaaagaa tagacactaa aatcatgttg 60
atctataatt acacctatgg gatcaataag catgtcanna ctgattaatg tctactgtaa 120
aaatttggtg gnnaaatttt catttgatat tagatataaa tatctgaata taaataattn 180
taatatacta gtcattgatgt gtgttggtatt ttaaaaatta t 221

```

```

<210> 1014
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<400> 1014
gggccccga agcctctaca atgggctggt tgccggcctg cagcgccaaa tgagctttgc 60
ctctgtccgc atcggcctgt atgattctgt caaacagttc tacaccaagg gctctgagca 120
tgccagcatt gggagccgcc tcttagcagg cagcaccaca ggtgccctgg ctgtggctgt 180
ggcccagccc acggatgtgg taaagggtccg attccaagct caggccccggg ctggaggtgg 240
tcggagatac caaagcaccg tcaatgccta caagaccatt gcccgagagg aagggttccg 300
gggcctctgg aaagggacct ctcccaatgt tgctcgtaat gccattgtca actgtgctga 360
gccggcgacc tatgacctca tcaaggatgc cctcctgaaa gccaacctca tgacagatga 420
cctcccttgc cacttcactt ctgccttttg ggcaggcttc tgcaccactg tcatcgctc 480
ccctgtagac gtggtcaaga cgagatacat ga 512

```

```

<210> 1015
<211> 553
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 518
<223> n = A,T,C or G

```

```

<400> 1015
ctgggcagga agattatgat cgcccagagg ccctctccta cccagatacc gatgttatac 60
tgatgtgttt ttccatcgac agccctgata gttcagaaaa catcccagaa aagtggaccc 120
cagaagtcaa gcatttctgt cccgacgtgc ccatcatcct ggttgggaat aagaaggatc 180
ttcggaatga tgagcacaca aggcgggagc tagccaagat gaagcaggag ccggtgaaac 240
ctgaagaagg cagagatatg gcaaacagga ttggcgctt tgggtacatg gagtgctcag 300
caaagaccag agatggagtg agagaggttt ttgaaatggc tacgagagct gctctgcaag 360
ctagacgtgg gaagaaaaaa tctgggtgcc ttgtcttgtg aaaccttgct gcaagcacag 420

```

```

cccttatgcg gttaattttg aagtgcgtgtt tattaatctt agtgtatgat tactggcctt 480
tttcatttat ctataattta cctaagatta caaatcanga agtcattcttg ctaccagtat 540
ttagaagcca act 553

```

```

<210> 1016
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<400> 1016
ccacttcaca tgatggcggg cctttaagag cacaaagaag tttaatatgg acaacaacag 60
gaaaaagcaa gaagaaaaca agtagggaaa gacagctaac ctggagagag agaatttctt 120
taacctttat gttcttcatt aaaaatctta tcttggactg atttgaggga tttttagaaa 180
catggcctta ttttatataa gcattacctt cccaggaatc tttgttgtat attaattttt 240
gataaccatt tgattaactt taaaattaag tatatgtgtg tatatataca tatgtatgtt 300
tatatacaca catgtatctg tatagtttta tatatacata tatacacata gacatacaga 360
gaaccactac tttgtaatag tgtacagttt gttttatatac tctttacttt ttttgttact 420
attttatctg t 431

```

```

<210> 1017
<211> 490
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 427, 434
<223> n = A,T,C or G

```

```

<400> 1017
ctggaagaac aaggcgaagt tctggtggct gtctgcgatg aatgtgccct tggctttggc 60
tgggtatgtc acccggttag ttttgggtgc aatgctctga tccttatcca cggtggaaag 120
atcaacatth gtgatgccaa cttcagtggg gatcttgact ctgagctcta cggtatttgc 180
aatataccgg ttgtcacctt caacttcgac aaggaagtca taataaccac tggaaaattt 240
gacgttcatg aaatttagtt caaaaacatc ccctacaggg gtgaaggatg tcttctggag 300
gacagtggct ctggaagcaa cagatttagc atgttctagt ttaacagtgg cctgagtcag 360
aggctgagac agaacattgg tgacttgcaa ccgcaagata gcctgttcat gagtgtcgga 420
agcaganccc tcangcacia ccacaactgg cacgtggtag cgattatgcg agagcacagg 480
cagacctcgg 490

```

```

<210> 1018
<211> 503
<212> DNA
<213> Homo sapiens

```

```

<400> 1018
ggagtaagct gagtacaagt accatagcag cagagctgca aaaggctcttg ggacctatag 60
tcctaatagca agataaggct atgggggccta aggccatggg gcctgaggca cccctagacc 120
ctgagccttc agcatttaag ggagggtgtc cccccattct cgataggcca tggtagacag 180
atgggtctag ccgaggtgct ataactgctt ggaccactgt tgcagtccaa cctagtactg 240
acactatatg gtttgaaacc cggtgtggac aaagtagcca atgggctgaa cctagagcag 300
tgtggatggg gatcaccaag gaggtgacac tgatggtaat ctgtatcaat agctgggtgg 360
tctaccaagg cttaactttg tggttaacta cctggaaaat acagaagttg ctagtcggcc 420
accaacccat ttgggggtcaa gccacgtggc aagacctctg ggaaatgggt catcagaaac 480

```

aggtaaccgt ttatcatgtg tca

503

<210> 1019
<211> 348
<212> DNA
<213> Homo sapiens

<400> 1019
cctgtgtatg gagtagaggc ggggtgcacgg gtactgttcc tcacggcagt caagaggccc 60
aggctctgtg ggctccagct ctgcatttcc cggttctggg gttggggctg ggatgacttc 120
ctgttggact tgctgctggg actggaactg gaactgttcc tcggagggcc gaggagtcac 180
ctcttgataa tcatagtagt ctgggttgct gatctggctg ctatagtggg tgtactggac 240
gtggtcaggg aacggcggca gcgggtccag gtcatactgg ccctgagcca gcaagcctgc 300
aggcaggaat agcaggaaga ggtaggcagc tctcatggca acaaagag 348

<210> 1020
<211> 260
<212> DNA
<213> Homo sapiens

<400> 1020
ccacacggcg accgagggac agatggggcc ctgcgtccca taggctgcct gaaggtgggt 60
agggcggcct gcggcatagt ggggtggctg tgggtccca gcctggcccc tgggaaccgt 120
gggagcacag ggacaagcac atggctatgg aatgcagggt gacccaagga caagcgagtt 180
gcggggatct ctactgtgac catgcagaat tgatcgagct ctgctgcgcc accaccacct 240
catgttcccc aggggaacag 260

<210> 1021
<211> 407
<212> DNA
<213> Homo sapiens

<400> 1021
ccttatgact ataacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
ggagacgatg tcatcatcat cggggtcttt aagggggaga gtgaccacgc ctaccagcaa 180
taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcagcaca 240
gaaatagcaa agttcttgaa agtctcccag gggcagttgg ttgtaatgca gcctgagaaa 300
ttccagtcca agtatgagcc ccggagccac atgatggacg tccaggggctc caccaggac 360
tcggccatca aggacttcgt gctgaagtac gccctgcccc tggttgg 407

<210> 1022
<211> 140
<212> DNA
<213> Homo sapiens

<400> 1022
ccaccccaga gtgggagagg ctgggaggtt gggaggctgt ggagagaagt gagcaagggtg 60
ctcttgaacc tgtgctcatt ttgcaatttt atcagtaatt tgacttagag tttttacgaa 120
acctcttttg ttgtccttgc 140

<210> 1023
<211> 280
<212> DNA

<213> Homo sapiens

<400> 1023

```
ctggaggtgc ctcagaaggt gcattctgct tcctgcaggg gcttgaaaca ccaaggcact 60
ccagggatcc tggagtcaaa gcagcagccc cggttgttgc actccttggg ggtgacatgg 120
gggtagccgc agtccaccct gtccttggct ggcacggcac actggtttgc agacaggccc 180
gcgtactcct cagcagagct ggaggacagc aaggccagga ccagccccag catgcagagc 240
gctctggcag ccatgaccac cgtgggctcc gggacgcagc                280
```

<210> 1024

<211> 274

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 262

<223> n = A,T,C or G

<400> 1024

```
cctggctgag caggcagagc accctgggac cccagggcag aaggacccct gccctccagt 60
ccccaagacc caggcccgtc tccactcata cacgccacct acatgtgacg tcagccctga 120
aaaggtaaca ggaaagtcca gaacaaaaac aaaaccccaa aagtaaaaag gctacgtgta 180
gcagagtaat accggaaacg ttatatacac aggcggtgat ggccccctcg gaagtgtccg 240
ggtcacttag ggggcactgc anaggtccct gtgg                274
```

<210> 1025

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 427, 431, 440

<223> n = A,T,C or G

<400> 1025

```
gcaaagagtg tactgtgctt gaggcagagc actcacacat aaatggctgt gtgtggaatt 60
gcttgccaaa gaagtttcta gcctttccct ttcccctaac tgcacagagg aagaattctt 120
atctctagct tggtttccac atgaggtttt tctgagaagg gcttgggaca agaagtctgt 180
catgttagtt aagcaggcaa gaaatcctac taatccagtt ttgtttgaaa gttgtttgtc 240
cgtatgattt tttaaaagtc aagtttaatt tcaaaaaacc ttttttttct gagattactt 300
ttggggtaat atttaaaatg agagacattt tgtaaccctg taaaatacat agggaaatata 360
acattccagt gtatacaaag aaggcaaatt ctttaatcaa ataaagcgca ttataaaatc 420
aaaaaanaaa naaaaaaaaaa aaaaaa                446
```

<210> 1026

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1026

```
ctgtgagaga gatgctcaat atgccccagg ctatgacaaa gtcaaggaca tctcagaggt 60
ggtcaccctt cggttccttt gtactggagg agtgagtccc tatgctgacc ccaatacttg 120
```

cagaggtgat tctggcggcc ccttgatagt tcacaagaga agtcgtttca ttcaagttgg 180
tgtaatcag 189

<210> 1027
<211> 92
<212> DNA
<213> Homo sapiens

<400> 1027
ccagaccctc cttagtagag gatctcggac cacaaaccaa ggagtctcgt ggccttggat 60
tcccagaccc taggatggta tccctctgac ag 92

<210> 1028
<211> 438
<212> DNA
<213> Homo sapiens

<400> 1028
ctgaaaagcc atctttgcat tgttcctcat ccgcctcctt gctcgccgca gccgcctccg 60
ccgcgcgcct cctccgcgcg cgcggactcc ggcagcttta tcgccagagt ccctgaactc 120
tcgctttctt tttaatcccc tgcacgggat caccggcggtg ccccaccatg tcagacgcag 180
ccgtagacac cagctccgaa atcaccacca aggacttaaa ggagaagaag gaagttgtgg 240
aagaggcaga aaatggaaga gacgcccctg ctaacgggaa tgctaataag gaaaatgggg 300
agcaggaggc tgacaatgag gtagacgaag aagagggaaga aggtggggag gaagaggagg 360
aggaagaaga aggtgatggt gaggaagagg atggagatga agatgaggaa gctgagtcag 420
ctacgggcaa gcgggcag 438

<210> 1029
<211> 330
<212> DNA
<213> Homo sapiens

<400> 1029
ccagccgcat gggagtggag gcagtcacgc ccttgctaga ggccaccccg gacaccccag 60
cttgcgctcgt gtcactgaac gggaaccacg ccgtgcgcct gccgctgatg gagtgcgtgc 120
agatgactca ggatgtgcag aaggcgatgg acgagaggag atttcaagat gcggttcgac 180
tccgagggag gagctttgcg ggcaacctga acacctacaa gcgacttgcc atcaagctgc 240
cggatgatca gatcccaaag accaatcgca acgtagctgt catcaacgtg ggggcacccg 300
cggctgggat gaacgcggcc gtacgctcag 330

<210> 1030
<211> 228
<212> DNA
<213> Homo sapiens

<400> 1030
ctggagactc tgggccagga gaagctgaag ctggaggcgg agcttggcaa catgcagggg 60
ctggtggagg acttcaagaa caagtatgag gatgagatca ataagcgtac agagatggag 120
aacgaatttg tcctcatcaa gaaggatgtg gatgaagctt acatgaacaa ggtagagctg 180
gagtctcgcc tggaagggct gaccgacgag atcaacttcc tcaggcag 228

<210> 1031
<211> 294
<212> DNA

<213> Homo sapiens

<400> 1031

```
ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
ctaaccagta tatgcagaga atggcaagtg tacgagctgt gcccaaccct gtaatcaacc 120
cctaccagcc agcacctcct tcagggttact tcatggcagc tatcccacag actcagaacc 180
gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtccc cgctggactg 240
ctcaggggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag      294
```

<210> 1032

<211> 278

<212> DNA

<213> Homo sapiens

<400> 1032

```
ggaggtatta cagacagcac tgcacttttg agttgggcag ctacatcgag gacctctttg 60
tggtccacag tgacctctcc agcattgtga tcctggataa ctccccaggg gcttacagga 120
gccatccaga caatgccatc cccatcaaata cctgggttcag tgaccccagc gacacagccc 180
ttctcaacct gctcccaatg ctgggtgccc tcagggttcac cgctgatgtt cgttccgtgc 240
tgagccgaaa cttcaccaa catcgggtct ggtgacgg      278
```

<210> 1033

<211> 155

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 9, 17, 31, 74, 75

<223> n = A,T,C or G

<400> 1033

```
cgcggttcanc catgttnaaa ccgattgcat naacttcgaa accggcccgc ccgccggcgc 60
ctggagaggg gcanngggag aagcagagag tttatcattc atctgtacac atagacgttt 120
cttcttttaa taacaccacg ggcgggagcc ccac      155
```

<210> 1034

<211> 401

<212> DNA

<213> Homo sapiens

<400> 1034

```
ctggaccagc accccattga cgggtacctc tcccacaccg agctggctcc actgcgtgct 60
cccctcatcc ccatggagca ttgcaccacc cgcttttttc agacctgtga cctggacaat 120
gacaagtaca tcgccctgga tgagtgggcc ggctgcttcg gcatcaagca gaaggatata 180
gacaaggatc ttgtgatcta aatccactcc ttccacagta ccggattctc tctttaaccc 240
tccccttcgt gtttccccca atgtttaaaa tgtttggatg gtttgttggt ctgcctggag 300
acaaggtgct aacatagatt taagtgaata cattaacggt gctaaaaaat aaaattctaa 360
cccaagacat gacattctta gctgtaactt aactattaag g      401
```

<210> 1035

<211> 333

<212> DNA

<213> Homo sapiens

<400> 1035

```

ctgagctggg ggttgaattt ctccaggcac tccctggaga gaggacccag tgacttgtcc 60
aagtttacac acgacactaa tctcccctgg ggaggaagcg ggaagccagc caggttgaac 120
tgtagcgagg cccccaggcc gccaggaatg gaccatgcag atcactgtca gtggagggaa 180
gctgctgact gtgattaggt gctgggggtct tagcgtccag cgcagcccgg gggcatcctg 240
gaggctctgc tccttagggc atggtagtca ccgcgaagcc gggcaccgtc ccacagcatc 300
tcctagaagc agccggcaca ggaggggaagg tgg                                     333

```

<210> 1036

<211> 198

<212> DNA

<213> Homo sapiens

<400> 1036

```

ccaatgtaca tgggtggacta tgccggcctg aacgtgcagc tcccgggacc tcttaattac 60
tagacctcag tactgaatca ggacctcact cagaaagact aaaggaaatg taatttatgt 120
acaaaatgta tattcggata tgtatcgatg ccttttagtt tttccaatga tttttacact 180
atattcctgc caccaagg                                     198

```

<210> 1037

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1037

```

ctggagatga tcctcaacaa gccagggctc aagtacaagc ctgtctgcaa ccaggtggaa 60
tgtcatcctt acttcaacca gagaaaactg ctggatttct gcaagtcaaa agacattgtt 120
ctggttgctt atagtgtctt gggatccac cagagaagaac catgggtgga cccgaactcc 180
ccggtgctct tggaggaccc agtcctttgt gccttggcaa aaaagcacia gcgaacccca 240
gccctgattg ccctgcgcta ccagctacag cgtgggggtt tggtcctgg                                     289

```

<210> 1038

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1038

```

ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
cttgaggtea ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120
aatacaaaaa attagccaag tgtgggtggca tatgcctgta atcccaacta ctcagaaggc 180
cgaggcagga gaattacttg aacgcaggag aatcactgca gcccaggagg cagagggtgc 240
agtgagccga gattgcacca ctgcactcca gcctgggtga cagagcaaga ctccatctca 300
gtaaataaat aaataaataa aaagcgctgc agtagctgtg gcctcaccct gaagtcagcg 360
ggcccagg                                     368

```

<210> 1039

<211> 417

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 226, 227, 246, 259, 390, 391

<223> n = A,T,C or G

<400> 1039

```
ctgggcctat gctgggcatg aacgggcctg gaaaatgact cccttccttc agtatctgca 60
tcctcatgaa gtcattcatt ttggagatcg tgtcttcact tttcttggtg aagaaactgc 120
tggatggagt tggtgggtggc atctgaggag tccgaagatg gctctcaggg aagggtgtgc 180
tggcctctga aggatttggg agctgactct gttcctgggg tagctnnatg ctcttggggg 240
cattgnttct cgggtttgnt tttttcttta tctggataaa actatgcatt tctgaaatca 300
gttttgacat ctgggttcttt tttcctaagt cgaaagcaga aaagttggaa gcttatctcc 360
ttcttcacag ggggatattg tggacattgn nctgtcccca ctacatccat ttttcct 417
```

<210> 1040

<211> 409

<212> DNA

<213> Homo sapiens

<400> 1040

```
ctgtccaatg gcaacaggac cctcactcca ttcaatgtca caagaaatga cgcaagagcc 60
tatgtatgtg gaatccagaa ctacagttagt gcaaaccgca gtgaccaggt caccctggat 120
gtcctctatg ggccggacac ccccatcatt tcccccccag actcgtctta cctttcggga 180
gcgaacctca acctctcctg ccactcggcc tctaaccat ccccgagta ttcttggcgt 240
atcaatggga taccgcagca acacacacaa gttctcttta tcgccaaaat cagccaaaat 300
aataacggga cctatgcctg ttttgtctct aacttggcta ctggccgcaa taattccata 360
gtcaagagca tcacagtctc tgcactctga acttctcctg gtctctcag 409
```

<210> 1041

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 473

<223> n = A,T,C or G

<400> 1041

```
cctcggctcc acacctccgc tgtgaccaca gcctcaggtc aagctgtgct ggggccatcc 60
accttccttt gccatttaga agatggggct tggagcttgg caacacagaa attgacatca 120
gccttataaa accttggtg aacctaccga cctccaggag aatttcagcc aaaacaaaaa 180
agcaaataca cagagggacc ctggaaccag aatccctccc catgggaaag acgaaggcac 240
agagattcga gccaaagtctt ccaacatgtt ggtgtttgca gaaaagtccg gtcacgtcac 300
acacagcaca gaggaagaa gcgaaggcag tggcattcac aggactactt tatattaaag 360
tttattacat ttggaaaatc tactgtacag ggaaaaaccc attggattaa gtagagtttt 420
gccaaaagca aaagactatc actcttttga aaatatctct gattccagcc canggccag 480
ggtggggcca ca 492
```

<210> 1042

<211> 125

<212> DNA

<213> Homo sapiens

<400> 1042

```
cctggctctg atccagtgc ccctctcacc aaagaactcg gtttaaccag ggctctgtaa 60
gaccactccc acccagagac ttgtgtggcc tgggtgtggcc tgtgtgtcgg attccttct 120
```

gtcag

125

<210> 1043

<211> 459

<212> DNA

<213> Homo sapiens

<400> 1043

```

ccagcctgga gataaggggtg aaggtgggtgc ccccggaactt ccaggtatag ctggacctcg 60
tggtagccct ggtgagagag gtgaaactgg ccctccagga cctgctgggtt tccctgggtgc 120
tcctggacag aatgggtgaac ctgggtggtaa gggagaaaga ggggctccgg gtgagaaagg 180
tgaaggaggc cctcctggag ttgcaggacc ccctggaggt tctggacctg ctggtcctcc 240
tggtcccaaa ggtgtcaaag gtgaacgtgg cagtcctggg ggacctgggt ctgctggctt 300
ccctgggtgct cgtgggtcttc ctggtcctcc tggtagtaat ggtaaccag gacccccagg 360
tcccagcggg tctccaggca aggatgggccc cccaggctct gcgggtaaca ctgggtgctcc 420
tggcagccct ggagtgtctg gaccaaaaagg tgatgctgg 459

```

<210> 1044

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1044

```

cctgggcccc ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttatttactg agatggagtc ttgctctgtc acccaggetg gagtgcagtg gtgcaatctc 120
ggctcactgc aacctctgcc tcctgggctg cagtgattct cctgcgttca agtaattctc 180
ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
tttgtatttt tagtagaaat ggggtttcac catgttggcg aggctgggtc cgaactcctg 300
acctcaagga tcctcctgcc tcggcctcct aaggtgctgg gattgcaggt gtgagccacc 360
acgtctgg 368

```

<210> 1045

<211> 315

<212> DNA

<213> Homo sapiens

<400> 1045

```

ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60
atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggcctcc 120
tggcagacct catgcaatgc cctccatgtt aatattcatc agaaaatgga taattagggg 180
ggccagcaaa aatatcaagg gtcaaataac gcacatttct gtttaggcca tctatggctt 240
tcattctctc tgaagtcaac tggaattcaa acacctgcac gttctgtctg atgcgctgct 300
cattgtagct cttgg 315

```

<210> 1046

<211> 317

<212> DNA

<213> Homo sapiens

<400> 1046

```

cctcgcttgg agggccccgg gcagcacagg gaggacgagc ttgtccagca gaggggtctgg 60
cagaggggtcc cgcagagggt tgggcagggg gtctgacatc cctggctcct gctctggctc 120
tggtgcccgg gatttgcaca ggcccagggt catacagatg ccgtttgagt caatctgggt 180
ctggaagtag tcgatgacca gggggaagta gtcgtcaagc acttggttgc actggggcat 240

```

gagcagcttc aaggggagga cggtgcactc ctgctccagg aacttcctca ccgtgtcctg 300
gaaaatggcc tccttgg 317

<210> 1047
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 183, 271, 287, 292, 294, 343
<223> n = A,T,C or G

<400> 1047
gtacaagctt tttttttttt tttttttttt tttgtttaat gcttgaactt tattttggag 60
agagaaattt agaaagacac aaggtacaca gagtaaaatg tttttctttt ttcaggacct 120
tgaactgaat cttgcactgc tttggtttct atctaggaag ctacagcgaca gcagagtctg 180
tanaggcggc cactgatttc acacaccccg gagagggact cacgggtagc acaacggccg 240
gttcggcaat agcaggtggc tcttgccctga naacctgagg ttctaanagc ananagtcca 300
tttcctgcaa aggagatagc aaggtcctgg ttgtcttccc canactgctt ctgggttgta 360
gcctcatcag ctctttcctg gagtgactca gcctgggcct gcagggccac ca 412

<210> 1048
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 267, 336, 344, 360, 395, 419, 420, 430, 441
<223> n = A,T,C or G

<400> 1048
taaaaaaagg aaaaagtttt attacgaaac tagtttgtat aaaacagggt tatacatatt 60
tttgtaagtt tgtaataaaa cagtaagaaa aaaaggcagt aatagaaatc tccaaaaggc 120
aacctatcaa aaccaactgg ctgccacttt gagtttggac agtagctgca taaactttgt 180
tcttcttgaa cagtatttaa taacatcatt aatacatata caacatttct ataaagtaag 240
acacattggg gctgaagtac aactggnggc ctcttgatct cacctatgag gagagtctt 300
tacaaaacca catagggaaa attgcagttg taaggngaac tacncatcta aaatatgcan 360
aggtaatagc attacatggt aaaggatatca aggnatata cacattttta accatttgnn 420
acaaaacttn tataaaattt ntttctctct ctttctctct tatgcacaaa aaatat 476

<210> 1049
<211> 274
<212> DNA
<213> Homo sapiens

<400> 1049
cctggctgag caggcagagc accctgggac cccagggcag aaggaccctt gccctccagt 60
ccccaagacc caggcccgtc tccactcata cacgccacct acatgtgacg tcagccctga 120
aaaggtaaca ggaaagtcca gaacaaaaac aaaaccccaa aagtaaaaag gctacgtgta 180
gcagagtaat accggaaacg ttatatacac aggcgggtgat ggccccctcg gaagtgtccg 240
ggtcacttag ggggcactgc agaggtccct gtgg 274

<210> 1050
 <211> 472
 <212> DNA
 <213> Homo sapiens

<400> 1050
 ctgcagcctg ggactgaccg ggaggctctg attatattacc caccacaggt aggttgtggt 60
 ctgaatctca gggtcacagg ttaaggctac agcatcctca tcctccacgg gggtggagtt 120
 gttgctggtg atgaagggtt tgggtggctc tgcatagact gtgatcgtcg tgactgtggt 180
 cctattgagg ccagtgtctg agttatgggc ttggcacgta taggatccac tattattcac 240
 agtgatgttg gggataaaga gctcttgggt ggattgctgg aaagtcccat tgacaaacca 300
 agagtactgt gcagggtgggt tagaggctgc gtggcaggag aggttcagat tttcccctga 360
 tctgtaagat gtgttttagag gggaaatggt gggggcatcc gggccataga ggacattcag 420
 gatgactgaa tcactgcgcc tggcactcac tgggttctgg gtttcacatt tg 472

<210> 1051
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 1051
 ccaccaaccg tggcatcacg cgaatccggg gcaccagcta ccagagccct cacggcatcc 60
 ccatagacct gctggaccgg ctgcttctcg tctccaccac cccctacagc gagaaagaca 120
 cgaagcagat cctccgcacg cgggtgcgagg aagaagatgt ggagatgagt gaggacgcct 180
 acacggtgct gaccgcgcatc gggctggaga cgtcactgcg ctacgccatc cagctcatca 240
 cagacctgc 249

<210> 1052
 <211> 289
 <212> DNA
 <213> Homo sapiens

<400> 1052
 ccaggaccac aacccccacg tgtagctggt agcgcagggc aatcagggct ggggttcgct 60
 tgtgcttttt tgccaaggca caaaggactg ggtcctccaa gagcaccggg gagttcgggt 120
 ccacccatcg tttgtctcgt tgagatccca gagcactata ggcaaccaga acaatatctt 180
 togacttgca gaaatctagc aatttactcc ggttgaaata cggatgacat tctacctggt 240
 tgcagacagg cttgtacttg agtcctggct tgttgaggat catctccag 289

<210> 1053
 <211> 199
 <212> DNA
 <213> Homo sapiens

<400> 1053
 ccacgactgc atgccccgcg ccgccagggtg atacctccgc cggtgaccca ggggctctgc 60
 gacacaagga gtctgcatgt ctaagtgcta gacatgctca gctttgtgga tacgcggact 120
 ttgttgctgc ttgcagtaac cttatgccta gcaacatgcc aatctttaca agaggaaacc 180
 gtaagaaagg gccagccg 199

<210> 1054
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 1054

```

tcgaccctgt gaagcaggag acagatgctg cattttcact gttgtttgtc ctctgttttt 60
gtagcatccc cgggaacttc cccatcagcc aggggcttgt cccaccacc cttcacctgg 120
ctttccagtt ggctgagacg ctgcttcacg ttcacatctggg tggcgttgta ctcagccagg 180
aggcgtgcaa acctgggtctg cagggcgctcc agggaggacc ccag 224

```

<210> 1055

<211> 390

<212> DNA

<213> Homo sapiens

<400> 1055

```

cctcttatta gggctctggt agcggcgggcg gcggaccctt ggggtctgga cgcaacggcg 60
gcgggagcat gaacgccctt ccagccttcg agtcgttctt gctcttcgag ggcgagaaga 120
agatcaccat taacaaggac accaaggtag ccaatgcctg tttattcacc atcaacaaag 180
aagaccacac actgggaaac atcattaaat cacaactcct aaaagaccgc caagtgctat 240
ttgctggcta caaagtcccc cacccttggg agcacaagat catcatccga gtgcagacca 300
cgccggacta cagccccagc gaagcctttg ccaacgccat caccgacctc atcagtgagc 360
tgtccctgct ggaggagcgc tttcgggtgg 390

```

<210> 1056

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 21, 22, 230, 232, 377, 391

<223> n = A,T,C or G

<400> 1056

```

ccagcatcac ctttttggtcc nnacactcca gggetgccag gagcaccagt gttacccgca 60
ggacctgggg gcccatcctt gcctggagaa ccgctgggac ctgggggtcc tgggttacca 120
ttactaccag gaggaccagg aagaccacga gcaccaggga agccagcagc accaggtcca 180
ccaggactgc cacgttcacc tttgacacct tggggaccag gaggaccagn angtcagaa 240
cctccagggg gtccctgcaac tccaggaggg cctccttcac ctttctcacc cggagcccct 300
ctttctcctt taccaccagg ttcaccattc tgtccaggag caccaggga accagcaggt 360
cctggagggc cagtttnacc tctctcacca nggetaccac gaggtccagc tatacctgga 420
agtccggggg caccaccttc acccttacct 450

```

<210> 1057

<211> 337

<212> DNA

<213> Homo sapiens

<400> 1057

```

tgagcggccg cccggcaggt cctcgcctgg agggccccgg gcagcacagg gaggacgagc 60
ttgtccagca gagggtctgg cagaggggtcc cgcagaggtt tgggcagggg gtctgacatc 120
cctggctcct gctctggctc tggctgccgg gatttgaca ggcccagggtg catacagatg 180
ccgtttgagt caatctggtt ctggaagtag tcgatgacca gggggaagta gtcgtcaagc 240
acttggttgc actggggcat gagcagcttc aaggggagga cgttgactc ctgctccagg 300
aacttcctca tcgtgtctg gaaaatggcc tccttgg 337

```


<210> 1058
 <211> 237
 <212> DNA
 <213> Homo sapiens

<400> 1058
 ctggggactg ggaatgctag catatggtat ctcaagttgg ctctcagaac taaacgggga 60
 taagggccta gaatggaaga gggaaccagc cagaccctca gtccttcctg tcctggactg 120
 ggagccacag atgtccctgt gatctgtcac tgccttgatc tgggtcttca gccattaaag 180
 ctcaagtgtca tcttcagtca ccaacggggg tcttggtgtc cttccaaacc cctttgg 237

<210> 1059
 <211> 210
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 169, 170
 <223> n = A,T,C or G

<400> 1059
 agcccatccc cccggetccc tectagtctg ccctgcgtcc tctgtccccg ggtttcagag 60
 acaacttccc aaagcacaaa gcagtttttc cccctagggg tgggaggaag caaaagactc 120
 tgtacctact ttgtatgtgt ataataattt gagatgtttt taattattnn gattgctgga 180
 ataaagcatg tggaaatgac ccaaaaaaaaa 210

<210> 1060
 <211> 564
 <212> DNA
 <213> Homo sapiens

<400> 1060
 ctggccacag agcccagcaa gtccttcctg ggagagaaga gttagggctg atactgaagg 60
 tctctttcac atctgggcac acgtctgcct tcaggctgta agaatttcat ttgtcgattg 120
 ttaaataaaa ccaggagaaa gcaatgcagg tctctgggaa tctcatccct tccataagga 180
 aaatgctctg ccaattcaag tttcattcag tcaggaagac agaaggattt aaggcttcgg 240
 tgacaattat aatcctctga gaaattattt ccccttaaag tcaagataag ataatagtgt 300
 ttactgtact ttctcttgac tcttgaaatc cctggtattg ggtgtaggca acttgcacct 360
 gcaatgaagt ccgcaggaga ggaagggtctc tctccccccg aaagctatcc caggtcacat 420
 gcgtggcgaa tgcccactga acctcggctc tcatggaagc aggaaagaca ccgagattca 480
 agccttctag taggttgagg acgctgtgct catggcatct tcggagattt tgggtactggc 540
 aggggtggat gcttgcaaaa tact 564

<210> 1061
 <211> 267
 <212> DNA
 <213> Homo sapiens

<400> 1061
 cctatggagg tgcctatgat gtcatgagct ctaagcacct ttgtggtgat accaactatg 60
 cctggcccac cgcagagatt gcggtcatgg gagcaaaggg cgctgtggag atcatcttca 120
 aagggcata gaatgtggaa gctgctcagg cagagtacat cgagaagttt gccaacctt 180
 tcctgcagc agtgcgaggg tttgtggatg acatcatcca accttcttcc acacgtgcc 240

gaatctgctg tgacctggat gtcttgg

267

<210> 1062

<211> 603

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 533, 592

<223> n = A,T,C or G

<400> 1062

ctggatcatct tgtcatgtga agaccatctt cctacagagt ctaggctggc cgtcggttgaa 60
gtcctcacca gtactacacc acttttcctc accaaccacc atcctattct tgagttgcag 120
gatacacttg ctctctggaa gtgtgtcctt acccttctgc agagtgagga gcaagctggt 180
agagatgcag ccacggaaac cgtgacaact gccatgtcac aagaaaatac ctgccagtca 240
acagagtttg ccttctgcca ggtggatgcc tccatcgctc tggccctggc cctggccgctc 300
ctgtgtgatc tgctccagca gtgggaccag ttggcccttg gactgcccac cctgctggga 360
tggctgttgg gagagagtga tgacctcgtg gcctgtgtgg agagcatgca tcaggtggaa 420
gaagactacc tgtttgaaaa agcagaagtc aacttttggg ccgagaccct gatctttgtg 480
aaatacctct gcaagcacct cttctgtctc ctctcaaaag tccggctggc gtnccccaag 540
ccctgagatg ctctgtcacc ttcaaaggat ggtgtcagag cagtgccacc tncgtgtctca 600
gtt 603

<210> 1063

<211> 222

<212> DNA

<213> Homo sapiens

<400> 1063

ccatcgatgga tcaactgagat gcagtggcgg tccccgtagc tggcccggtgg catgccaccc 60
tggaagatgg tgaagggcaa cccctgccta gtggtcagcc ggaggattct ggtaatcgct 120
ttgcaaggaa agggaccgta aggcacgagg ctgcggaggg gctctgggtg ctgggcttcg 180
ctggacacgg gccactggca gtagctgccg tcagagtgac ag 222

<210> 1064

<211> 72

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 13, 14

<223> n = A,T,C or G

<400> 1064

gatgatcaat atnnactgga acacatgcat gcttttggaa tgtataatta cctgcactgt 60
gattcatggt at 72

<210> 1065

<211> 251

<212> DNA

<213> Homo sapiens

<400> 1065

```

gtggccgtga tggatagcga caccacaggc aagctgggct ttgaggaatt caagtacttg 60
tggacaaca tcaaaagggtg gcaggccata tacaaacagt tcgacactga ccgatcaggg 120
accatttgca gtagtgaact cccaggtgcc tttgaggcag cagggttcca cctgaatgag 180
catctctata acatgatcat ccgacgctac tcagatgaaa gtgggaacat ggattttgac 240
aacttcatca g 251

```

<210> 1066

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1066

```

ctggagatga tcctcaacaa gccagggctc aagtacaagc ctgtctgcaa ccaggtggaa 60
tgtcatcctt acttcaacca gagaaaactg ctggatttct gcaagtcaaa agacattggt 120
ctggttgctt atagtgtctt gggatccac cgagaagaac catgggtgga cccgaactcc 180
ccagtgtctt tggaggaccc agtcctttgt gccttggcaa aaaagcacia gcgaacccca 240
gccctgattg ccctgcgcta ccagctacag cgtgggggtt tggtcctgg 289

```

<210> 1067

<211> 301

<212> DNA

<213> Homo sapiens

<400> 1067

```

ctgtagttga ctgaagtcgc taaacaggac ggatttaagt agaggtgata tgtccagtca 60
ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggt agacatcagg 120
caaagctctc catgttaata ttcattctgaa tatggataat taggggtggt agcaaaacta 180
tcaactgtta aatagtggag atttctgtct aggccatcta tggctttcat gtcctccgca 240
gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300
g 301

```

<210> 1068

<211> 255

<212> DNA

<213> Homo sapiens

<400> 1068

```

ccagcagttc ctctttgctt tatatttgtg gtacgcccgg ccagccttca agatggggtt 60
gtcaattcgg ccacctccag ccaccacacc aaccacagct ctgttggctg aggagataac 120
cttcttggag ccggagggca gcttcacacg ggtcttcttg gtctcagggt tgtgggagat 180
aacggtggca tagttccctg atgcccgggc cagcttgcca cggctctccag gcttctcctc 240
caggcagcac acgat 255

```

<210> 1069

<211> 77

<212> DNA

<213> Homo sapiens

<400> 1069

```

ctggacaggc tccagcaccc gcccaaacac gccagacct cggcaggcac cacctgggtc 60
tcccacccag aaagttc 77

```

<210> 1070
 <211> 163
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 12, 108, 109, 137, 147, 148
 <223> n = A,T,C or G

<400> 1070
 ctgctgggat gnetgccaag tttttcagcc ataaggtagc gaaatctagc agaatccaga 60
 ttacatccac ttccaatcac gcggtggttg ggtaatccac ctagtttnna ggtaacatac 120
 gtaagaatgt ccaactgngtt ggaaacnca attatgatgc aat 163

<210> 1071
 <211> 246
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 14
 <223> n = A,T,C or G

<400> 1071
 ctgaccggac cggncatgcc cgtccggaac gtctataaga aggagaaagc tcgagtcac 60
 actgaggaag agaagaattt caaagccttc gctagtctcc gtatggcccc tgccaacgcc 120
 cggctcttcg gcatacgggc aaaaagagcc aaggaagccg cagaacagga tggtgaaaag 180
 aaaaaataaa gccctcctgg ggacttggaa tcagtcggca gacaaaaaaa aaaaaaaaaa 240
 aacaaa 246

<210> 1072
 <211> 224
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 143
 <223> n = A,T,C or G

<400> 1072
 ctgccctgac agagcgctcc ttgatgggca tggactggaa aggatcccag gaatacaaga 60
 aggcagaaaa aaaagtttgg aagatcttta aatctgacag tgaagtggct ggttacatcc 120
 ggcaagcggg tgacttccat cangtaatta ttcgaggtgg aggacatatt ttaccctatg 180
 accagcctct gagagctttt gacatgatta atcgattcat ttat 224

<210> 1073
 <211> 301
 <212> DNA
 <213> Homo sapiens

<400> 1073

```

ctgtagttga ctgaagtcgc taaacaggac ggattttaagt agaggtgata tgtccagtca 60
ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggg agacatcagg 120
caaagctctc catgttaata ttcactctgaa tatggataat taggggtggct agcaaaacta 180
tcactgttaa aatagtggag atttctgtct aggccatcta tggctttcat gtcctctgca 240
gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300
g 301

```

```

<210> 1074
<211> 132
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 41, 47, 56, 69, 78, 93
<223> n = A,T,C or G

```

```

<400> 1074
caagcttttt tttttttttt tttttttttt ttcgctcaaa nactttnttt tattantaca 60
tgggctggna ttgatggnaa gggacaaatg tanttggcaa ccatgggttag catcggatgc 120
ccatcccaat gg 132

```

```

<210> 1075
<211> 301
<212> DNA
<213> Homo sapiens

```

```

<400> 1075
ctgtagttga ctgaagtcgc taaacaggac ggattttaagt agaggtgata tgtccagtca 60
ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggg agacatcagg 120
caaagctctc catgttaata ttcactctgaa tatggataat taggggtggct agcaaaacta 180
tcactgttaa aatagtggag atttctgtct aggccatcta tggctttcat gtcctctgca 240
gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300
g 301

```

```

<210> 1076
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<400> 1076
ctgctgggat gaatgccaag tttttcagcc ataaggtagc gaaatctagc agaatccaga 60
ttacatccac ttccaatcac gcggtgtttg ggtaatccac ctagttttcca ggtaacatac 120
gtaagaatgt ccaactgggtt ggaaaccaca attatgatgc aatcaggact gtacttgacg 180
atctgaggaa taatgaattt gaagacatta acattttctct gcaccagatt gagccgactc 240
tccccttctt gctgacggac tcttgcagtt actactacaa tcttagaatt ggcggtcaca 300
gaataatctt tatctgccac aatttttaggt gtctgaagaa ataagctccc atgctgcaga 360
tccatcattt ctcttttaag cttatcttcc aaaacatcca caagagcaag ttcacagcc 420
agagactttc ccagaa 436

```

```

<210> 1077
<211> 256
<212> DNA
<213> Homo sapiens

```

<400> 1077

```

ctgaagatta ataggaaaca gtgaaaaagc aacgtcctgt gatcagtaac tttaaagaca 60
agcttggttc tctctttctg gcactactga cattcccacc attctagctt ccgaattctg 120
gaaaaagaga agatgattaa caaaaataga gaatgtagaa acttctgggt ttgtgcctac 180
aggattggca ccagaccctc agtgctcact tgctccatct acaaggcagc acccctccca 240
gaggcagcca gggagg                                     256

```

<210> 1078

<211> 202

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 8, 10, 26, 67, 71, 77, 84, 93, 127, 133, 144

<223> n = A,T,C or G

<400> 1078

```

ctgtgctncn caaccagatc catgtnaagt gccccgcca gagaaggagg ccagggggag 60
ctgactncag ncaacancca gtgnccggat gancaccaac atgtgagggg tgaaccttgg 120
cctccangac atntgcaccc cctncccacc tccacggacc tcggacctcc aggcggctca 180
gtgctgcctg cggcccagct aa                                     202

```

<210> 1079

<211> 170

<212> DNA

<213> Homo sapiens

<400> 1079

```

gcgcttctcg ggcaccgtca ggcttaagtc cactccccgc cctaagttct ctgtgtgtgt 60
cctggggggac cagcagcact gtgacgaggg taaggccgtg gatatcccc acatggacat 120
cgaggcgctg aaaaaactca acaagaataa aaaactggtc aagaagctgg 170

```

<210> 1080

<211> 494

<212> DNA

<213> Homo sapiens

<400> 1080

```

cctgcggcaa agagatgcgc ttattgagaa acatggctta gttataatcc ccgatggcac 60
tccaatggt gatgtcagtc atgaaccagt ggctggagcc atcactgttg tgtctcagga 120
agctgctcag gtcttgaggt cagcaggaga agggccatta gatgtaaggc tacgaaaact 180
tgctggagag aaggaagaac tactgtcaca gattagaaaa ctgaagcttc agttagagga 240
ggaacgacag aaatgctcca ggaatgatgg cacagtgggt gacctggcag gactgcagaa 300
tggtcagac ttgcagttca tcgaaatgca gagagatgcc aatagacaaa ttagcgaata 360
caaatttaag ctttcaaaag cagaacagga tataactacc ttggagcaaa gtattagccg 420
gcttgaggga caggttctga gatataaaac tgctgctgag aatgctgagg aaagttgaag 480
atgaattgaa agca                                     494

```

<210> 1081

<211> 123

<212> DNA

<213> Homo sapiens

<400> 1081

ctgctgctat taagttgcaa gctctacagc tagctacatg actgatggat cagtttgaga 60
 tttgttccct tgtcaaaagt ttaactctga tagaagggtg gcctcacatt ctgatgtttg 120
 gac 123

<210> 1082

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1082

cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tcctcctggg 60
 acagcgtttc gggagggttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
 caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
 caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
 tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

<210> 1083

<211> 452

<212> DNA

<213> Homo sapiens

<400> 1083

ctgggccacg aggacaccac cagcttggat cggcctcgcc gtgtggaata ctttgtagat 60
 aagcaactcc aagtaaaggc tgtcacctgt gggcctgga acacctacgt gtatgctgtg 120
 gagaaaggga agagctgaca tgtgtacgta tatgtatatg caacacctgt gagaccccca 180
 ttcagggtcaa ggaaaacat tgccctgcacc ccaagggccc catatttgcc cctccccatc 240
 acagtcctgc ccttcaccct caagcacggt cctaaacttg tctgcacttt agaaacacct 300
 ggagagcatt gaaaactctg ctgcctaagg tcagcatcaa tcaaaacaat gaaatcaatg 360
 aaacaatgaa accagagctt ctaggtgtgt ggccctggata gtggtagatt caaagctcca 420
 cccacctcat cccagggtaca tttgatgtgc ag 452

<210> 1084

<211> 301

<212> DNA

<213> Homo sapiens

<400> 1084

ctgtagttga ctgaagtcgc taaacaggac ggattttaagt agaggtgata tgtccagtca 60
 ccggcataga gacgtcctct gcgtcaccat ccacacacag ggcttctggg agacatcggg 120
 caaagctctc catgttaata ttcattctgaa tatggataat taggggtggc agcaaaacta 180
 tcaactgttaa aatagtggag atttctgtct aggccatcta tggctttcat gtcctctgca 240
 gtcaactgga actcaaaaac ctgcacgttc tgtctgatgc gctgctcatt gtagctcttg 300
 g 301

<210> 1085

<211> 369

<212> DNA

<213> Homo sapiens

<400> 1085

ctgtttccca tgggccacca ggcggtcag gacagcaaac gtctcatccc ctctcaggat 60
 gtacttctcc atgtcctgct cgatccactg gtacatgagg cccttcacat gcacgtctcg 120

gatggcgctcc gtcacgtcct tgtagagatg tgcttggtca aactccaggc tgtggcccag 180
 aaagtagtcc accacacagg acagcagagc catctccggg agcgagaaga tgtccatgaa 240
 ctgcttaatg gagggaccct tgccatagaa gccactcatc tggatatagt ggatgtgctg 300
 ggtacccccca tacagctcaa tcacctcctc gtctggcaca ggctggaggc ccctgtaggc 360
 tgtccccag 369

<210> 1086
 <211> 316
 <212> DNA
 <213> Homo sapiens

<400> 1086
 cctcagaggt ttctccacag tctctttctg ggcaaattct tgtttcttca catgccggac 60
 tagcttaaga ccaatgcagt agcttatctc caagccttgc aaagtatata atatctaaga 120
 ggaaagggtt tgtcatccca gcgttggtcca ctttggtggg ctttgtaggt agacggagcc 180
 acactacagg caggggtatga gcagagggat gtatggagtg tgggtgactc tgagcctcac 240
 tgccgctgca aggtggggaa actgtaagtg aaccctgtg ggtgcggggg agggatatccg 300
 gtgcgcaggg aggtgg 316

<210> 1087
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 1087
 cctgcagggg atgggacctt ccagaagtgg gcgtctgtgg tgggtgccttc tggacaggag 60
 cagagataca cctgccatgt gcagcatgag ggtctgcca agccctcac cctgagatgg 120
 gagccgtctt cccagccccc catccccatc gtgggcatca ttgctggcct ggttctcttt 180
 ggagctgtga tcgctggagc tgtggctcgt gctgtgatgt ggaggaggaa gagctcagat 240
 agaaaaggag ggagctactc tcaggctgca agcagtgaca gtgcccaggg ctctgatatg 300
 tctcccacag cttgtaaagt gtgagacag 329

<210> 1088
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 1088
 ccactcactg ctgggaccca ggcacctccc ttctccatcc tctctggatt gtcagtaatg 60
 tcttggaaca gaagcctgtg ggatggcctt gggcaaggag aagccctggg gtcagtgtcg 120
 tgcacggatg gcggcagtgt tgaacccagg aggctgaacc cggcccacca cggaagatga 180
 gtgcatggca accgcctgcc ttcacgtcgc tccacttggg aaccccaagg tctgggctgt 240
 tctaggtatt gcttcacgtg cccagcaag cccttaacaa gagggcctgg ttccctgaag 300
 aaccaatccc aggaaggggc cttgatccct ccgccttget ga 342

<210> 1089
 <211> 51
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 18
 <223> n = A,T,C or G

<400> 1089

ccttgtgttc agtctccnecg ctcttcttgc cactgttgag ggtggagatg t 51

<210> 1090

<211> 515

<212> DNA

<213> Homo sapiens

<400> 1090

cctggggagg	ccctagggga	gcaccgtgat	ggagaggaca	gagcaggggc	tccagcacct	60
tctttctgga	ctggcgttca	cctccctgct	cagtgccttg	gctccacggg	caggggtcag	120
agcactccct	aatttatgtg	ctatataaat	acgtcagatg	tacatagaga	tctatttttt	180
ctaaaacatt	cccctcccca	ctcctctccc	acagagtgc	ggactgttcc	aggccctcca	240
gtgggctgat	gctgggaccc	ttaggatggg	gctcccagct	cctttctcct	gtgaatggag	300
gcagagacct	ccaataaagt	gccttctggg	ctttttctaa	cctttgtcct	agctacctgt	360
gtactgaaat	ttgggccttt	ggatcgaata	tggatcaagag	gttggagggg	aggaaaatga	420
aggtctacca	ggctgagggt	gagggcaaag	gctgacgaag	agggaaagtt	acagatttcc	480
tgtagcaggt	gtgggcttac	agacacatgg	actgg			515

<210> 1091

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1091

gcgtcccggg	gcccacgggtg	gtcatggctg	ccagagcgct	ctgcatgctg	gggctgggtcc	60
tggccttgct	gtcctccagc	tctgctgagg	agtacgtggg	cctgtctgca	aaccagtgtg	120
ccgtgccagc	caaggacagg	gtggactgcg	gctaccccca	tgtcaccccc	aaggagtgca	180
acaaccgggg	ctgctgcttt	gactccagga	tccctggagt	gccttggtgt	ttcaagcccc	240
tgcaggaagc	agaatgcacc	ttctgaggca	cctccag			277

<210> 1092

<211> 368

<212> DNA

<213> Homo sapiens

<400> 1092

cctgggcccc	ctgacttcag	ggtgaggcca	cagctactgc	agcgcttttt	atttatttat	60
ttatttactg	agatggagtc	ttgctctgtc	acccaggctg	gagtgcagtg	gtgcaatctc	120
ggctcactgc	aacctctgcc	tcttgggctg	cagtgattct	cctgcgttca	agtaattctc	180
ctgcctcggc	cttctgagta	gttgggatta	caggcatatg	ccaccacact	tggttaattt	240
tttgtatttt	tagtagaaat	ggggtttcac	catgttggcg	aggctgggtc	cgaactcctg	300
acctcaagga	tctcctgcc	tgggctcct	aagggtgctg	gattgcaggt	gtgagccacc	360
acgtctgg						368

<210> 1093

<211> 459

<212> DNA

<213> Homo sapiens

<400> 1093

ctgtgcatgg	agccatttgg	atggcggcgg	gcgggggggg	attctctgta	tcaggagtga	60
ctttgttgcc	ccacacagcc	tctgctgca	ggtgcttttg	aaagagatgc	tgccttgag	120

```

ctggtgaatc tgtggaccac attcaaggggt gtggcacagg catcttccca tccttttcac 180
tccgaatcgc tggcgacaca ttctcctttc cagctaggaa agggttcctc gcggctgggt 240
tagattgtgg ttgtttgttt tgcttctact aagactgttt tgtttcaaaa aggaaacaag 300
ttttgtgttt gctgtctacg ctggagtcct gaactgtggg tagaaaacac gacctggctt 360
tgtagaaagg acacagggct gttttatgaa ctaagcgggt aggctcaggt ggcggctctc 420
acagagcccc tgatgctggt gttctttgag ggcttaagg 459

```

```

<210> 1094
<211> 610
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 590
<223> n = A,T,C or G

```

```

<400> 1094
ccatgcaaaa ggaggtggtg cactcagtgc agtcgctgcc acaaaaagtc cgattatttt 60
cattggtaca ggggaacata tagatgactt tgaacctttc aaaacacagc cttttattag 120
caaacttctt ggtatgggcg acattgaagg actgatagat aaagtcaacg agttgaagtt 180
ggatgacaat gaagcactta tagagaagtt gaaacatggt cagtttacgt tgcgagacat 240
gtatgagcaa tttcaaaata tcatgaaaat gggccccttc agtcagatct tggggatgat 300
ccctggtttt gggacagatt ttatgagcaa aggaaatgaa caggagtcaa tggcaaggct 360
aaagaaatta atgacaataa tggatagtat gaatgatcaa gaactagaca gtacggatgg 420
tgccaaagtt tttagtaaac aaccaggaag aatccaaaga gtagcaagag gatcgggtgt 480
atcaacaaga gatgttcgag aacttttgac acaatatacc aagtttgcac agatggtaaa 540
aaagatggga ggtatcaaag gacttttcaa aggtgggcga catgtctaan aatgtgagcc 600
agtcacagat 610

```

```

<210> 1095
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<400> 1095
ccttatttct cttgtccttt cgtacagggg ggaatttgaa gtagatagaa accgacctgg 60
attactcggg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120
atagcggctg caccatcggg atgtcctgat ccaacatcga ggtcgtaaac cctattgttg 180
atatggactc tagaatagga ttgcgctggt atccctaggg taacttgttc cg 232

```

```

<210> 1096
<211> 377
<212> DNA
<213> Homo sapiens

```

```

<400> 1096
ccacgctcat ggaaaccacc caaggacagc cagagtccac attccctggc aagctggggtg 60
tattcttcca aaagtttccc acccagtggg tcagacaggt gtagcgtctc tgcagggtcc 120
cgtgcaatga agtcaaatgc ctccaggcagg aaagccaggc aggcacccag tctggcagcc 180
tctcgaacca gccacgcaca tgtttttaaag ttctgttgct tgtctggcgt cgatgttacc 240
tggcacacag ccaccagggg cagttcgcag gaggaagagg agatagccat ggctctgggc 300
ctgggctgag cacaaagtac tgagagttga ggtatccgga gtccaggaca cagaaggagc 360
aggaatctgt gaggagg 377

```

<210> 1097
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 1097
 ccacgccatg gggctggagc actcccaaga ccctggggcc ctgatggcac ccatttacac 60
 ctacaccaag aacttccgtc tgtcccagga tgacatcaag ggcattcagg agctctatgg 120
 ggcctctcct gacattgacc ttggcaccgg ccccaacccc aactggggcc ctgtcactcc 180
 tgagatctgc aaacaggaca ttgtatttga tggcatcgct cagatccgtg gtgagatctt 240
 cttcttcaag gaccggttca tttggcggac tgtgacgcca cgtgacaagc ccatggggcc 300
 cctgctggtg g 311

<210> 1098
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 1098
 ccacccacgc ttaggttccc atcacactga tgactccggg tttggcgagc acaggagcgc 60
 aaaccttttc acattctttc tgtgatccaa atttgttttc gtttccacca caacctccat 120
 accagaatct tgcacagctt ttggtgtttg gatcatagta ccattttaat atgaaatccc 180
 tgcaagtcc ttcgtctttc ggcaacttgc atatatctgt ttcagtgaga gccaatgggt 240
 ctgtgctcac cattagattg atggttgaac tagaagctga ccttgctggc tgtggaggtg 300
 ggggctgaga tttctttgta ctgaaacttc cgtggtaggt ggctctgacc tgagacctca 360
 ggtagcagac cacagccaca tggtagtgtct gcccagcgag cagg 404

<210> 1099
 <211> 442
 <212> DNA
 <213> Homo sapiens

<400> 1099
 ccatgggatg gctcttctga ccattggggg ccaggccagg ccaggccagg cttagggtag 60
 caaggaccag gccaaagggg cagggcctcc tttggagggg ttgaggggta catcctcggc 120
 tgggtgtttgc atccaggggt ccagcaggat ctcttccagt gaggggtcggg aagaaggttt 180
 gggggccagg caccggcgga ttagggcaca gcagtctggg gagacatggg ctgggaagtg 240
 gagctcagct tccagaatct cctgggtccct ctcaaagggg atgtccccac acaccatgtc 300
 atagaggagg atgcccagtg accagacagt ggccgggagt gcatgggtact ggtgtcgaga 360
 gatccactct ggggggctgt acacccttgt cccatcaaag tcagtgtagg gttcatcatg 420
 aagcagggca ccaggaacca aa 442

<210> 1100
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 1100
 ccacgaaaat caatgagaag ccacaggtga tcgcggacta tgagagcgga cggggccatac 60
 ccaataacca ggtgcttggc aaaatcgagc gggccattgg cctcaagctc cggggaaagg 120
 acattggaaa gcccatcgag aaggggccta gggcgaaatg aacacaaagc ctcgaaatca 180
 gtgcgctcca g 191

<210> 1101
 <211> 178
 <212> DNA
 <213> Homo sapiens

<400> 1101
 cgggtacttt ggtggacatg aaggaactgg gcatatggga gccattggct gtgaagctgc 60
 agacttataa gacagcagtg gagacggcag ttctgctact gcgaattgat gacatcgttt 120
 caggccacaa aaagaaaggc gatgaccaga gccggcaagg cggggctcct gatgctgg 178

<210> 1102
 <211> 209
 <212> DNA
 <213> Homo sapiens

<400> 1102
 agccaggcta gtgacagaaa tggattcgaa atatcagtgt gtgaagctga atgatgggtca 60
 cttcatgcct gtcctgggat ttggcaccta tgcgcctgca gaggttccta aaagtaaagc 120
 tttagaggcc accaaattgg caattgaagc tggcttccgc catattgatt ctgctcattt 180
 atacaataat gaggagcagg ttggactgg 209

<210> 1103
 <211> 396
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 351
 <223> n = A,T,C or G

<400> 1103
 ctatagggct cgaggggccgc ccgggcaggt ggtgcctcta atactgggtga tgctagaggt 60
 gatgtttttg gtaaacaggc ggggtaagat ttgccagatt ccttttactt tttttaacct 120
 ttccttatga gcatgcctgt gttgggttga cagtgggggt aataatgact tggttggttga 180
 ttgtagatat tgggctgtta attgtcagtt cagcgtttta atctgacgca ggcttatgca 240
 gaggagaatg ttttcatgtt acttatacta acattagttc ttctataggg tgatagattg 300
 gtccaattgg gtgtgaggag ttcagttata tgtttgggat tttttaggta ntgggtgttg 360
 agcttgaacg ctttcttaat tggtaggctgc tttagg 396

<210> 1104
 <211> 342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 224, 226, 302
 <223> n = A,T,C or G

<400> 1104
 ctgctgatac ccaggcagta gctgatgctg tcacctacca gctcgggtttc cacagcattg 60
 aactgaatga gcctccactg gtccacacag cagccagcct ctttaaggag atgtgttacc 120
 gataccggga agacctgatg gcgggaatca tcategcagg ctgggaccct caagaaggag 180

ggcaggtgta ctcagtgcct atgggggggta tgatggtaag gcantncttt gccattggag 240
 gctccgggag ctccctacatc tatggctatg ttgatgctac ctaccgggaa ggcatgacca 300
 angaagagtg tctgcaattc actgccaatg ctctcgcttt gg 342

<210> 1105

<211> 551

<212> DNA

<213> Homo sapiens

<400> 1105

ctggggccac tgtcggcatc atgattggag tgctgggttg ggttgctctg atatagcagc 60
 cctggtgtag tttcttcatt tcaggaagac tgacagttgt tttgcttctt ccttaaagca 120
 tttgcaacag ctacagtcta aaattgcttc tttaccaagg atatttacgg aaaagactct 180
 gaccagagat cgagaccatc ctagccaaca tcgtgaaacc ccatctctac taaaaatata 240
 gaaattagct ggacatgggtg gcatgtgcct gtaatcccag ctactcagga ggctgaggca 300
 ggagaactgc ttgaacaggg acccgggagg cggagattgg agtgagccga gatcgcgcca 360
 ctgcactcca gtctgggcta cacagtgaga ctctgtctca agaaaaataa acagaagaat 420
 tggggggttg ggggtggaaa cagtgtttcc aggcagagag aacagcacgt acaaaggaga 480
 ctgttgggag ggttaaataa aataattcat gtaaggtact tagtaccaca catgaatttc 540
 acaagcagca g 551

<210> 1106

<211> 280

<212> DNA

<213> Homo sapiens

<400> 1106

ctgctcttca cacagggttc tggggaaaac aaggaagaga tcatcaatta tgaatttgac 60
 accaaggacc tgggtgtgct gggcctgagc agcatcgctt gcgtctggta cctgctgagg 120
 aagcactgga ttgccaacaa cctttttggc ctggccttct cccttaatgg agtagggctc 180
 ctgcacctca acaatgtcag cactggctgc atcctgctgg gcggactctt catctacgat 240
 gtcttctggg tattttggcac caatgtgatg gtgacagtgg 280

<210> 1107

<211> 570

<212> DNA

<213> Homo sapiens

<400> 1107

ctgattagtg tctaaggaat ggtccaatac tgttgccctt ttccttgact attacactgc 60
 ctggaggata gcagagaagc ctgtctgtac ttcattcaaa aagccaaaat agagagtata 120
 cagtcctaga gaattcctct atttgttcag atctcataga tgacccccag gtattgtctt 180
 ttgacatcca gcagtccaag gtattgagac atattactgg aagtaagaaa tattactata 240
 attgagaact acagctttta agattgtact tttatcttaa aaggggtggta gttttcccta 300
 aaatacttat tatgtaaggg tcattagaca aatgtcttga agtagacatg gaatttatga 360
 atggttcttt atcatttctc ttcccccttt ttggcatcct ggcttgcctc cagttttagg 420
 tccttttagtt tgcttctgta agcaacggga acacctgctg agggggctct ttcctcatg 480
 tatacttcaa gtaagatcaa gaatcttttg tgaaattata gaaatttact atgtaaatagc 540
 ttgatggaat tttttcctgc tagtgtagct 570

<210> 1108

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1108

```

ctgttcctgc ggtgacactg tataaacacg atgaccctgc cttgacttta gttgctggtc 60
ttacatcaaa taagcccaca gacaaactcc gtgccctgcc tctgtgggta tctttacaat 120
acttgggact tgatggggtt gtggagagga tcaagcatgc ctgtcaactg agtcaacggt 180
tgcaggaaag tttgaagaaa gtgaattaca tcaaaatctt ggtggaagat gagctcagct 240
ccccagtggg ggtgttcaga tttttccagg aattaccagg ctcagatccg gtgtttaaag 300
ccgtcccagt gcccaacatg acaccttcag gagtcggccg ggagaggcac tcgtgtgacg 360
cgctgaatcg ctggctggga gaacag                                     386

```

<210> 1109

<211> 409

<212> DNA

<213> Homo sapiens

<400> 1109

```

ctctgggtctg taaccagtct cttcaaggca ttatctcctg gggccaggat ccgtgtgcga 60
tcacccgaaa gcctgggtgc tacacgaaag tctgcaaata tgtggactgg atccaggaga 120
cgatgaagaa caattagact ggacccaccc accacagccc atcaccctcc atttccactt 180
ggtgttttgt tctgtttcac tctgttaata agaaacccta agccaagacc ctctacgaac 240
attctttggg cctcctggac tacaggagat gctgtcactt aataatcaac ctgggggttcg 300
aaatcagtga gacctggatt caaattctgc cttgaaatat tgtgactctg ggaatgacaa 360
cacctgggtt gttctctgtt gtatccccag ccccaaagac agctcctgg                                     409

```

<210> 1110

<211> 215

<212> DNA

<213> Homo sapiens

<400> 1110

```

ccatthttgga gtgtgtccat tgggtagcaa tgtggaaacc accagggcct ttgtggagaa 60
aatggagggg gttgaggagg tcccaggagg ggcttatttg agggcctttg ccacttgctc 120
ataggcgagc tcgatctcct catcatctgg acaggtggaa gcgaattctt cccgggcgta 180
ggcattgctc aagtaccgat gcactccccg gaagg                                     215

```

<210> 1111

<211> 308

<212> DNA

<213> Homo sapiens

<400> 1111

```

cctgggcccc ctgacttcag ggtgaggcca cagctactgc agcgcttttt atttatttat 60
ttatttactg agatggagtc ttgctctgtc acccaggctg gagtgcagtg gtgcaatctc 120
ggctcactgc aacctctgcc tcttgggctg cagtgattct cctgcgttca agtaattctc 180
ctgcctcggc cttctgagta gttgggatta caggcatatg ccaccacact tggctaattt 240
tttgtatttt tagtagaaat ggggtttcac catgttggcg aggctgggtc cgaactcctg 300
acctcaag                                     308

```

<210> 1112

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1112

```

ccactggctc cctggggccag ggcctcgggg ccgcttgtgg gatggcctac accggcaaatt 60
acttcgacaa ggccagctac cgagtcctatt gcttgctggg agacggggag ctgtcagagg 120
gctctgtatg ggaggccatg gccttcgcca gcatctataa gctggacaac cttgtgg 177

```

<210> 1113

<211> 646

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 529, 580, 622

<223> n = A,T,C or G

<400> 1113

```

ccccaccatg gacacacttt gctacacact cctgctgctg accacccctt cctgggtctt 60
gtcccaggtc accttgaagg agtctgggtc tgtactgggtg aaaccacag agaccctcac 120
gctgacctgc accgtctctg ggtttttact cagtaatat agagtgggtg tgagttggat 180
ccgtcagccc ccagggaagg ccctggagtg gtttgcatac attttttcga ctgacgaaaa 240
atccttcaat tcattctctga agaacaggct caccatctcc aaggacacct ctaaaagcca 300
ggtaggtcctt agcatgacca acatggaccc tgtggacaca gccacatatt actgtgcacg 360
gctctctatt tacttcgggg agttagaaac ctaccaatac atggacgtct ggggcaaagg 420
gaccaccgcc accgtctcct cagcatcccc gaccagcccc aaggctcttc cgctgagcct 480
ctgcagcacc cagccagatg ggaacgtggt catcgctgc ctggtccang gcttcttccc 540
ccaggagcca ctgagtgtga cctggagcga aagcggacan ggcgtgaccg ccagaaactt 600
ccccaccag ccaggatgcc tncggggacc tgtacaccac gagcag 646

```

<210> 1114

<211> 420

<212> DNA

<213> Homo sapiens

<400> 1114

```

tggtgtttta ctcacctaac ccttagaaaa tgaatgtag aagggtgcctg ccgaggcggg 60
acagagtgtt cgctcgcgct ggagaaggct ctgctcagcc ctgagagtcc cttcctgccc 120
caccgatact ggcactttta aaaggaagct gaccgcacag tgtccagacg aattggcccc 180
cagaagatgg ggagttctgt cctgcccttc tgtgtctgctg tgacctcacc cagcctagga 240
gggaggtgca ttcagggtag atttgcctct cattcaaagt tctgggggctt tgggtggaaa 300
acagccagct ttggcgctgt tggggagact cctccagacc aggaacccca gaaggagaca 360
gagcctgcca catcctccca cgccaggccc tggggccaggg tgattggact gagaatttgg 420

```

<210> 1115

<211> 416

<212> DNA

<213> Homo sapiens

<400> 1115

```

ctgaaagttt ctaaaataga aacctgggtgc atatggcccc aaaacaccac atgctttgat 60
tacactcagg gagcatgagt tgcctatttg ggtgagaaaa tcccatgtta cagtgcgac 120
gctgggcacg ttttggagta attccagcca ctgctatgta agtgttttta attcaggggt 180
gtcttctacg ttttcatctt ctgaatatct tgtgacgggtg caggtttgag caaaactggc 240
atgaaatgag agctgtttta gatgaagatt gcaagatgga tggcttggcc cacagtggca 300
gtgggttggg ggtggaatgt ggacaattag gaaaaaggca tgtcattcta tctggctcct 360

```

ggagaggcag atagtcctgg gggctttggt gtcacagttc ccaaaagcaa ggttgg 416

<210> 1116

<211> 382

<212> DNA

<213> Homo sapiens

<400> 1116

ccttatttct	cttgtccttt	cgtacaggga	ggaatttgaa	gtagatagaa	accgacctgg	60
attactccgg	tctgaactca	gatcacgtag	gactttaatc	gttgaacaaa	cgaaccttta	120
atagcggctg	caccatcggg	atgtcctgat	ccaacatcga	ggtcgtaaac	cctattggtg	180
atatggactc	tagaatagga	ttgcgctggt	atccctaggg	taacttggtc	cgttgggtcaa	240
gttattggat	caattgagta	tagtagttcg	ctttgactgg	tgaagtctta	gcattgtactg	300
ctcggagggt	gggttctgct	ccgaggtcgc	cccaaccgaa	aatttttaat	gcaggcttgg	360
tagtttagga	cctgtggggt	tg				382

<210> 1117

<211> 370

<212> DNA

<213> Homo sapiens

<400> 1117

ctgcgtgtct	gaaaaccaa	gatttaaaac	atagtaatta	ttgaacctca	gaagaaaaac	60
tcagattgaa	agagcttaga	ataagaccct	ttttgagttg	agaaagggtga	gtacttagat	120
ttttcatattg	ctttgtttgg	gattacttac	atcagtattt	tatgttgatc	agaaagaaag	180
gattcaatta	gctattgttc	ggttaataaa	aatgtcagcc	actgtaggag	taagttggat	240
gtccagcctt	tttagattgc	ttaacttgga	aacactggac	tgggagcggg	ggctcatgcc	300
tgtgatccca	gcactctggg	aggccaaggc	aggcagatca	ctggagggtca	ggagtttgag	360
accaacctgg						370

<210> 1118

<211> 494

<212> DNA

<213> Homo sapiens

<400> 1118

ctgtctctta	cttttaacca	gtgaaattga	cctgcccgtg	aagaggcggg	cataacacag	60
caagacgaga	agaccctatg	gagctttaat	ttattaatgc	aaacagtacc	tgacaaaccc	120
acaggtccta	aactaccaga	cctgcattaa	aaatttcggg	tggggcgacc	tcggagcaga	180
accaaacctc	cgagcagtac	atgctaagac	ttcaccagtc	aaagcgaact	actatactca	240
attgatccaa	taacttgacc	aacggaacaa	gttaccctag	ggataacagc	gcaatcctat	300
tctagagtcc	atatcaacaa	tagggtttac	gacctcgatg	ttggatcagg	acatcccgat	360
ggtgcagccg	ctattaaagg	ttcgtttggt	caacgattaa	agtcctacgt	gatctgagtt	420
cagaccggag	taatccaggt	cggtttctat	ctacttcaaa	ttcctccctg	tacgaaagga	480
caagagaaat	aagg					494

<210> 1119

<211> 407

<212> DNA

<213> Homo sapiens

<400> 1119

ccttatgact	acaacggccc	acgagaaaaa	tatggaatcg	ttgattacat	gatcgagcag	60
tccgggcctc	cctccaagga	gattctgacc	ctgaagcagg	tccaggagtt	cctgaaggat	120

```

ggagacgatg tcatcatcat cgggggtcttt aaggggggaga gtgacccagc ctaccagcaa 180
taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac ttccagcaca 240
gaaatagcaa agttcttgaa agtctcccag gggcagtcgg ttgtaatgca gcctgagaaa 300
ttccagtcca agtatgagcc ccggagccac atgatggacg tccagggctc caccaggagc 360
tcggccatca aggacttcgt gctgaagtac gccctgcccc tggttgg 407

```

```

<210> 1120
<211> 548
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 513
<223> n = A,T,C or G

```

```

<400> 1120
ccccagagga cccgttggac ccagtggacc tcctggcaaa gatggaacca gtggacatcc 60
aggtcccatt ggaccaccag ggcctcgagg taacagaggt gaaagaggat ctgagggctc 120
cccaggccac ccagggcaac caggccctcc tggacctcct ggtgcccctg gtccttgctg 180
tgggtggtgtt ggagccgctg ccattgctgg gattggaggt gaaaaagctg gcggttttgc 240
cccgtattat ggagatgaac caatggattt caaaatcaac accgatgaga ttatggcttc 300
actcaagtct gttaatggac aaatagaaa gctcattagt cctgatgggt ctcgtaaaaa 360
cccagctaga aactgcagag acctgaaatt ctgccatcct gaactcaaga gtggagaata 420
ctgggttgac cctaaccaag gatgcaaatt ggatgctatc aaggatttct gtaatatgga 480
aactggggaa acatgcataa gtgccaatcc ttngaattgt ccacggaaac actggtggac 540
agattcta 548

```

```

<210> 1121
<211> 278
<212> DNA
<213> Homo sapiens

```

```

<400> 1121
cggccgaggt ccgccatggc gtgtgctcgc ccactgatat cgggtgtactc cgaaaagggg 60
gagtcattctg gcaaaaatgt cactttgcct gctgtattca aggctcctat tcgaccagat 120
attgtgaact ttgtttacac caacttgctc aaaaacaaca gacagcccta tgctgtcagt 180
gaattagcag gtcattcagac tagtgctgag tcttggggta ctggcagagc tgtggctcga 240
attcccagag ttcgaggtgg tgggactcac cgctctgg 278

```

```

<210> 1122
<211> 591
<212> DNA
<213> Homo sapiens

```

```

<400> 1122
ctgcagcggc agaggcagca tccagcggcg ggcagcagc ttccagtcgg ttgctttact 60
ttttgcttca ccgacatagt cattatgccg aagagaaagt ctccagagaa tacagagggc 120
aaagatggat ccaaagtaac taaacaggag ccacaagac ggtctgccag attgtcagcg 180
aaacctgctc caccaaaacc tgaacccaaa ccaagaaaaa catctgctaa gaaagaacct 240
ggagcaaaga ttagcagagg tgctaaaggg aagaaggagg aaaagcagga agctggaaag 300
gaaggcacag aaaactgaat ctgtagataa cgagggagaa tgaattgtca tgaaaaattg 360
gggttgattt tatgtatctc ttgggacaac ttttaaaagc tatttttacc aagtattttg 420
taaagtctaa ttttttagga ctctactagt tggcatacga aaatatataa ggatggacat 480

```

tttatcgtct catagtcatg ctttttggaa atttacatca tcctcaagta aaataaatat 540
cagttaaata ttggaagctg tgtgtaagat tgattcagca ttccatgcac t 591

<210> 1123
<211> 454
<212> DNA
<213> Homo sapiens

<400> 1123
ccaattgaaa caaacagttc tgagaccggt cttccactac tgattaagag tgggggtggca 60
ggtattaggg ataattattca ttttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagcctttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatatc aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttccagct ttttaccaga acggcgatca atcttttctc tcagctcagc aaacttgcac 360
gcaatgtgag ccgtgtggca atccaatata ggggcatagc cggcgcttat ttggcctgga 420
tggttcagga taatcacctg agcagtgaag ccag 454

<210> 1124
<211> 219
<212> DNA
<213> Homo sapiens

<400> 1124
cctgctccag agcacggctg accattttctg ctccgggata tcagctcccg ttccccaagc 60
acactcctag ctgctccagt ctccagcctgg gcagcttccc cctgcctttt gcacgtttgc 120
atccccagca tttcctgagt tataaggcca caggagtgga tagctgtttt cacctaaagg 180
aaaagcccac ccgaatcttg tagaaatatt caaactaat 219

<210> 1125
<211> 246
<212> DNA
<213> Homo sapiens

<400> 1125
ccagagctgg gcccaagctg cgctggaatc gcagcaggag aggggagtg gctgggttctt 60
cccaccactt cccaggctct gacagccgag actcatttcc aaggcacagc agctttctaa 120
agggactgag tttggactgg gttttggacc tccaggggct ggagcttcat cacctgggca 180
gtgtcttttc tcagagagca ggtttcttta tagtttgga ataatgggt cacggttcaa 240
aagaaa 246

<210> 1126
<211> 227
<212> DNA
<213> Homo sapiens

<400> 1126
ccattgttcc cgtgcatcga agcttgcagg cagcttcagg tcctcggtaa acataactct 60
ctgggggtggc ttggggccac ccaggaaggt accacatagc ctcttcaagt agctcatgtc 120
cacgttgtag aagttgtggc cggcctgcca cgtgggtattc cgtttgttga catagttgac 180
cagctcatcc gacaggggat ggaaagaggg cctgctccgg gcattgg 227

<210> 1127
<211> 377

<212> DNA
<213> Homo sapiens

<400> 1127
cctgccgtcg atgccaggga ggccgacagg accttctttt ccagcggggc cgatatattcc 60
aggggaacca ggaagacctc tgggtcccat gagaccaggc tccccagggc gaccagcatc 120
tccattaggt cctcggactc cagcagggcc acttgcacca cgactaccag gagggcccat 180
gacgccagct ctgccatcag ctccaggaag accacgagaa ccaggactac ctctcagccc 240
aggaggtcct ggagggcccg cagatccagc ttccccatta gggcctctct ttccttcttc 300
accactggga ccaggaggac cttggggccc agcagagccg ggctcacccct tgttaccgct 360
ctctcctttg gagccag 377

<210> 1128
<211> 253
<212> DNA
<213> Homo sapiens

<400> 1128
gagagctatt gctttgttaa gatataaaaa ggggtttctt tttgtctttc tgtaaggtgg 60
acttccagct tttgattgaa agtcctaggg tgattctatt tctgctgtga tttatctgct 120
gaaagctcag ctgggggttg gcaagctagg gaccattcc tgtgtaatac aatgtctgca 180
ccaatgctaa taaagtccta ttctctttta tgagaaagaa aaagacactg tcctttaaag 240
tgctgcagta tgg 253

<210> 1129
<211> 314
<212> DNA
<213> Homo sapiens

<400> 1129
ccaagagcta caatgagcag cgcacacagc agaacgtgca ggtgtttgaa ttccagttga 60
cttcagagga gatgaaagcc atagatggcc taaacagaaa tgtgcgatat ttgacccttg 120
atatttttgc tggcccccca attatccatt ttctgatgaa tattaacatg gagggcattg 180
catgaggtct accagaaggc cctgcgtgtg gatggtgaca cagaggatgg ctctatgctg 240
gtgactggac acatcgctc tggttaaatc tctcctgctt ggtgatttca gcaagctaca 300
gcaaagccca ttgg 314

<210> 1130
<211> 239
<212> DNA
<213> Homo sapiens

<400> 1130
ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagtcag 60
cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcac 120
aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca cactgatatt 180
tcgaatccat ttctgtcact agcctggcta gcaaatgttt cttcctccct cacaggcta 239

<210> 1131
<211> 402
<212> DNA
<213> Homo sapiens

<400> 1131

```

aaggagtcct gcttatcaca atgaatgttc tcctgggcag cgttgatgatc tttgccacct 60
tcgtgacttt atgcaatgca tcatgctatt tcatacctaa tgagggagtt ccaggagatt 120
caaccaggaa atgcatggat ctcaaaggaa acaaacaccc aataaactcg gagtggcaga 180
ctgacaactg tgagacatgc acttgctacg aaacagaaat ttcattgttc acccttggtt 240
ctacacctgt gggttatgac aaagacaact gccaaagaat cttcaagaag gaggactgca 300
agtatatcgt ggtggagaag aaggacccaa aaaagacctg ttctgtcagt gaatggataa 360
tctaattgtc ttctagtagg cacagggtc ccaggccagg ac 402

```

<210> 1132

<211> 304

<212> DNA

<213> Homo sapiens

<400> 1132

```

ccaccccgga gatgacacga ggctcacatg actctagaca cttgggtggaa agtgaggcga 60
gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgcca acagggctcc 120
agggagcttg gcttctgtag aagttctaag gaagcggtag gaactccacg gcggtggggc 180
gctaactagc agggacccct gcaagtgttg gtcggggggc tcgagctgcc tgagctgaca 240
cgaggggagg ggtctgtgta gccaacaggt gaccgaaggg cttgcctgcc cacagcttac 300
ttgg 304

```

<210> 1133

<211> 224

<212> DNA

<213> Homo sapiens

<400> 1133

```

ctgacatttt ctatagtaga tatggaggag gtccaagact aactgtgaaa gccctgtgta 60
aggaatgtgt agtagaacgt tgtcgcatat tgcgtctgaa gaaccaacta aatgaagatt 120
ataaaaactgt taataatctg ctgaaagcag cagtaaaggg cagcgatgga ttttgggtgg 180
ggaagtcctc cttgcggagt tggcgccagc tagctcttga acag 224

```

<210> 1134

<211> 250

<212> DNA

<213> Homo sapiens

<400> 1134

```

cctactctgc tgaggtggcg cttcctgcta agggcccttc tctgcccttt ctgccctcct 60
tcccatccca catgctgagc cgccacaaag accaaagaag tgatggcttt tctctgtccc 120
ctgctgctct gaggggagag ggggtgggtct cctgagccac tcagatggga aagtccctta 180
ctcggcccct ccctccccag cagccccaag ctttacactg gatgcagcga tcaaccacc 240
actcaccagg 250

```

<210> 1135

<211> 315

<212> DNA

<213> Homo sapiens

<400> 1135

```

ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60
atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggccttc 120
tggtagacct catgcaatgc cctccatgtt aatattcatc agaaaatgga taattagggg 180
ggccagcaaa aatatcaagg gtcaaataac gcacatttct gtttaggcca tctatggctt 240

```

tcatctcctc tgaagtcaac tggaattcaa acacctgcac gttccgtctg atgcgctgct 300
cattgtagct cttgg 315

<210> 1136
<211> 377
<212> DNA
<213> Homo sapiens

<400> 1136
cctgccgtcg atgccaggga ggccgacagg accttctttt ccagcggggc cgatatttcc 60
aggggaacca ggaagacctc tgggtcccat gagaccaggc tccccagggc gaccagcatc 120
tccattaggt cctcggactc cagcaggggc acttgcacca cgactaccag gagggcccat 180
gacgccagct ctgccatcag ctccagggaag accacgagaa ccaggactac ctctcagccc 240
aggaggctct ggaggggccg cagatccagc ttccccatta gggcctctct ttccttcttc 300
accactggga ccaggaggac cttggggccc agcagagccg ggctcaccct tgttaccgct 360
ctctcctttg gagccag 377

<210> 1137
<211> 250
<212> DNA
<213> Homo sapiens

<400> 1137
ctgttcaact tccaactcta aataggcacc attaaacaaa aaaccccagt atttttaaatt 60
tctccagcac acattccagg atcaatgctc tgaactgtaa tcagctagta attcataacg 120
ggaatacagc cttagaatgg aagctatatatt gcttccctgc cccctttctc ttacaattgg 180
agagtgtagg tattaaggga taaaaagtca gaggaagaat aattaaaaag aaaaatgccc 240
aaagctgcag 250

<210> 1138
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 431
<223> n = A,T,C or G

<400> 1138
tcgaccaggt cctcctgggc catctgggtcc ccgagggtcag cctgggtgtca tgggcttccc 60
cggtcctaaa ggaaatgatg gtgctcctgg taagaatgga gaacgagggt gccctggagg 120
acctggccct cagggtcctc ctggaaagaa tggtgaaact ggacctcagg gacccccagg 180
gcctactggg cctgggtggg acaaaggaga cacaggaccc cctgggtccac aaggattaca 240
aggcttgctt ggtacagggt gtccctccagg agaaaatgga aaacctgggg aaccagggtcc 300
aaagggtgat gccggtgcac ctggagctcc aggaggcaag ggtgatgctg gtgcccctgg 360
tgaacgtgga cctcctggat tggcaggggc cccaggactt agagggtggag ctgggtcccc 420
tggtcccga ngaggaaagg gtgctgctgg tctcctctgg ccacctgggt ctgctggtac 480
tcctgggtctg caaggaatgc ctggagaaag a 511

<210> 1139
<211> 505
<212> DNA
<213> Homo sapiens

<400> 1139

```

ctgtggactc cagcatgttt ctgataatta tgcaagcaac aattctgtag cctcaagtaa 60
gaccacctgt gaacttgatc attatctggc ccaaatatga agataaacta taactttgga 120
gtttgtttcc tatttgtatt cacattctgc ttcctaaatc agttttctaa attgtgcctg 180
caattaggca ttggtcaggg gtgaatggct cttttcacag agagtagcca accagagacc 240
tttgctttga tatcatcaac tgcagagaat gctgttgatg ggaatgctgg aagcagaaac 300
tttgtcatcg gaaaaacttt tcttgatatgc atgagactca acatcaggat ccacagctta 360
aagatgggaa ttcaggatg aaagaaaaca ggcaaggagg cactgaggga gaaagacaca 420
gactttatcg ctctgtggct cattgttact ggaatattct aaaactcttg ttcacatgct 480
attatgactt ataaagcagc aacag                                     505

```

<210> 1140

<211> 256

<212> DNA

<213> Homo sapiens

<400> 1140

```

ctgtagcttc tgtgggactt ccactgctcg ggcgtcaggc tcaggtagct gctggccgcg 60
tacttggtgt tgctctgttt ggagggtttg gtgggtctcca ctcccgccct gacggggctg 120
ccatctgcct tccaggccac tgtcacagct cccgggtaga agtcactgat cagacacact 180
agtgtggcct tgttggcttg gagctcctca gaggagggcg ggaacagagt gacagtgggg 240
ttggccttgg gctgac                                     256

```

<210> 1141

<211> 371

<212> DNA

<213> Homo sapiens

<400> 1141

```

ccagggcccc attctgtctg tgggactgtg ggttctcagt ggaattgttg cctttcttgt 60
cgtggagaaa tttgtgagac atgtgaaagg aggacatggt cacagtcatg gacatggaca 120
cgctcacagt catgcacgtg gaagtcattg acatggaaga caagagcgtt ctaccaagga 180
gaagcagagc tcagaggaag aagaaaagga aacaagaggg gttcagaaga ggcgaggagg 240
gagcacagta cccaaagatg ggccagtgag acctcagaac gctgaagaag aaaaaagagg 300
cttagacctg cgtgtgtcgg ggtacctgaa tctggctgct gacttggcac acaacttcac 360
tgatggtctg g                                     371

```

<210> 1142

<211> 312

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 292

<223> n = A,T,C or G

<400> 1142

```

cctcccacac tgtcaaattg caactccacc agcactgaga caatgagtag atgagaatgt 60
agaaagaggg aaggtggtag gtaaaggagc ggaaggaaga ggtggggaaa gagggagggt 120
ggtaggtaaa ggagcggaag gaagaggtgg ggaaagaggg aaggagagaa gggaaggagg 180
gaagagaaaag aaggaagaaa aggaaagcat ggcccggcta gagacaaagc cagaggtgat 240
caggtcagca gcaggagagg ctcagaaggg agcctctcgg gaagtgcagg cngccatgag 300

```

ggctcgtttc ag

312

<210> 1143

<211> 367

<212> DNA

<213> Homo sapiens

<400> 1143

```
ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
cttgagggtca ggagttcgag accagcctcg ccaacatggg gaaaccccat ttctactaaa 120
atacaaaaaa ttagccaagt gtggtggcat atgcctgtaa tcccaactac tcagaaggcc 180
gaggcaggag aattacttga acgcaggaga atcactgcag cccaggaggc agaggttgca 240
gtgagccgag attgcaccac tgcactccag cctgggtgac tgagcaagac tccatctcag 300
taaataaata aataaataaa aagcgctgca gtagctgtgg cctcacctg aagtcagcgg 360
gcccgagg                                     367
```

<210> 1144

<211> 159

<212> DNA

<213> Homo sapiens

<400> 1144

```
cctggaggag cggccgcaca cacagccagg cgctaggctc cctgcgggac ctcgggaagg 60
gggaagagcg tcaacgattt acggagggtc cagccgctgg gtcagattga gacaaacct 120
tgtgtggttg ggttcgggtc agcaggctgg agagggttc                                     159
```

<210> 1145

<211> 450

<212> DNA

<213> Homo sapiens

<400> 1145

```
ccatgggtgt ctggagcacc ctgaaactgt atcaaagttg tacatatattc caaacatttt 60
taaaatgaaa aggcactctc gtgttctcct cactctgtgc actttgctgt tgggtgtgaca 120
aggcatttaa agatgtttct ggcattttct ttttatattgt aagggtggtg taactatggt 180
tattggctag aaatcctgag ttttcaactg tatatatcta tagtttgtaa aaagaacaaa 240
acaaccgaga caaaccttg atgctccttg ctcggcggtg aggctgtggg gaagatgcct 300
tttgggagag gctgtagctc agggcggtgca ctgtgaggct ggacctgttg actctgcagg 360
gggcatccat ttagcttcag gttgtcttgt ttctgtatat agtgacatag cattctgctg 420
ccatcttagc tgtggacaaa ggggggtcag                                     450
```

<210> 1146

<211> 324

<212> DNA

<213> Homo sapiens

<400> 1146

```
ccatacaggg ctgttgccca ggccttagag gtcattcctc gtaccctgat ccagaactgt 60
ggggccagca ccatccgtct acttacctcc ctgcgggcca agcacacca ggagaactgt 120
gagacctggg gtgtaaattg tgagacgggt actttggtgg acatgaagga actgggcata 180
tgaggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctg 240
ctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccgg 300
caaggcgggg ctctgatgc tgga                                     324
```

<210> 1147
 <211> 191
 <212> DNA
 <213> Homo sapiens

<400> 1147
 ccacgaaaat caatgagaag ccacaggtga tcgcggacta tgagagcgga cggggccatac 60
 ccaataacca ggtgcttggc aaaatcgagc gggccattgg cctcaagctc cgggggaaagg 120
 acattggaaa gcccatcgag aaggggccta gggcgaaatg aacacaaagc ctcgaaatca 180
 gtgtgctcca g 191

<210> 1148
 <211> 344
 <212> DNA
 <213> Homo sapiens

<400> 1148
 ctgtccaatg acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc 60
 tatgagtgtg gaatccagaa cgaattaagt gttgaccaca gcgacccagt catcctgaat 120
 gtcctctatg gcccagacga ccccaccatt tccccctcat acacctatta ccgtccaggg 180
 gtgaacctca gcctctcctg ccatgcagcc tctaaccacac ctgcacagta ttcttggtctg 240
 attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag 300
 aacagcggac tctatacctg ccaggccaat aactcagcca gtgg 344

<210> 1149
 <211> 329
 <212> DNA
 <213> Homo sapiens

<400> 1149
 ctgaccact cactgggcgg gggcacaggc tctggaatgg gcactctcct tatcagcaag 60
 atccgagaag aataccctga tcgcatcatg aataccttca gtgtggtgcc ttcacccaaa 120
 gtgtctgaca ccgtggtcga gccctacaat gccaccctct ccgtccatca gttggtagag 180
 aatactgatg agacctattg cattgacaac gaggccctct atgatattctg ctccgcact 240
 ctgaagctga ccacaccaac ctacggggat ctgaaccacc ttgtctcagc caccatgagt 300
 ggtgtcacca cctgcctccg tttccctgg 329

<210> 1150
 <211> 406
 <212> DNA
 <213> Homo sapiens

<400> 1150
 ccagttatatt gcaagtggta agagcctatt taccataaat aatactaaga accaactcaa 60
 gtcaaacctt aatgccattg ttattgtgaa ttaggattaa gtagtaattt tcagaattca 120
 cattaacttg attttaaaat cagttttgtg agtcatttac cacaagctaa atgtgtacac 180
 tatgataaaa acaaccattg tattcctgtt tttctaaaca gtcctaattt ctaacactgt 240
 atatatcctt cgacatcaat gaactttgtt ttcttttact ccagtaataa agtaggcaca 300
 gatctgtcca caacaaactt gccctctcat gccttgccctc tcaccatgct ctgctccagg 360
 tcagccccct tttggcctgt ttgttttgtc aaaaacctaa tctgct 406

<210> 1151
 <211> 346
 <212> DNA

<213> Homo sapiens

<400> 1151

```
ctgcgtgagt accaggagct gatgaacgtc aagctggccc tggacatcga gatcgccacc 60
tacaggaagc tgctggaggg cgaggagagc cggctggagt ctgggatgca gaacatgagt 120
attcatacga agaccaccag cggctatgca ggtggtctga gctcggccta tgggggcctc 180
acaagccccg gcctcagcta cagcctgggc tccagctttg gctctggcgc gggctccagc 240
tccttcagcc gcaccagctc ctccagggcc gtggttgtga agaagatcga gacacgtgat 300
gggaagctgg tgtctgagtc ctctgacgtc ctgcccgaagt gaacag 346
```

<210> 1152

<211> 427

<212> DNA

<213> Homo sapiens

<400> 1152

```
ctggactgct gtacatcaag gacagattaa ctggaaaaca tatgttcctt atgcgtgatc 60
gagagccatt cagaaaagac ttcctttgtg ttcagcctat acttttccat atggtatacc 120
ttgaaaaaaa ttagcacacc atggttatTT ttctaccttt tataaaagac agagcctgtt 180
tactcattta gaagatagag aaaattggtc taaaattgaa catcctagat tcacactccc 240
aagtcactta aggtgatttg atggtgagga aaatgattga cagagcccaa caatgatctc 300
aggaattaca ttttccaaca gaccaaaaaa tgttttcatg tagcagcaat gcagatttgg 360
tgaatatTTa atatatatTT tagtatgtat ttcactttat gactgacaat taaaaaatat 420
tgtttgg 427
```

<210> 1153

<211> 331

<212> DNA

<213> Homo sapiens

<400> 1153

```
ctggccggcg gtgcagatct ggagtcacgc ctcagggatg cgctactttc cattctctgc 60
attgaacatt cgttctgtca gcatccgctc cagcttcact gcatcagcgg caaacttgcg 120
gatcccgtea gagagcttct ccacagccat ctggtcctcg ttgtgcaacc aacggaaaga 180
cttctcatcc aggtggattt tttccaggtc actggcttgg gctgggggac aagaaccagc 240
cttccatgcc tgctccatgt cctgcccac cttggccctt tgggctcagg gcctgaaccg 300
ctgcacccaa gcatctccca ccagggccag g 331
```

<210> 1154

<211> 403

<212> DNA

<213> Homo sapiens

<400> 1154

```
ctgaactttc agatgaagtt gacttctact tgattgcagg attcagggtt tctcagatgt 60
taatacagag tcaaaagcgg tggataaaac cttgcaaagt gcttgtgctt gttccaggct 120
gttgactga taaaccacac ggctgtattc ctcatctgctt gcatctgttg tcttcagagc 180
cagtaagctt tttcccgcgc ccagaccgtc atcgtaacac accatccgga ttattaagta 240
gagagcatgc ctgtgcaaaa catcatattg atctgatgtt gatactttta tgccatactt 300
ggaaactccc ataataaatt cttcctccgg aggaacaaaa ggcaactttc catcttgctg 360
ggcaacgtct atataattta tcagggtctaa tggcccttca agg 403
```

<210> 1155

<211> 491

<212> DNA
<213> Homo sapiens

<400> 1155

```
cctccctctc agagcttgcc ccagggactc tctggccctc agggttcaat gtattctgac 60
caaggccaag ctttcctggg gctcaggga aatcacactt tgctacccga agctgtatcc 120
cctcagatgc caggaaggcc gtgatcatct gactccaccc tcctgagaca cattctctcc 180
ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca 240
gatgcagcct ctgtgaacag gtgcctggag gctgggaaat gaccctgaga gggcaggaca 300
cagcaaccgt gggcttaagg tgaccttgag agcaagcttg gccacttta caattctgtt 360
cagagccagc ccctaacatg gtggctcattt attcatttgt tccctcattt taaaaaatgt 420
aaggccaggc atggtggctc acgccgggta atcccagcac tttgggaggc cgaggcaggc 480
agatcacctg a 491
```

<210> 1156
<211> 586
<212> DNA
<213> Homo sapiens

<400> 1156

```
agcaaataga agcaatcagg gcactgcaag ttgtgactac tccaagatgt gaatcatgga 60
tcatgcaaat tacaatcatg ttttaacctg acctccaaag ggagaataaa gtaaaaatta 120
tcccatgtga ggattattca ccagtttata tgtcattagt taccagtttt tctttatgaa 180
taatgttttag caatattata aagtatatct aatagttatc aggttttttg cttgttactt 240
tttggtagta acttataaaa ctgactggaa aagaccaata aggcactgtt tgcattgttac 300
aaattatata caaagaccaa aagctgttaa taagaaatct tccaataaaa ccacatcata 360
ttttcttttt tattttacacc cacatcagga ttacaacttt atcaggactg caccttgatc 420
aggaagggat gtttctctta caaggctaata aagaaaggaa caataaattt gctgatgaaa 480
aaagtcatgc atttaaaaaat tttaacttta atttttaatt gagggcaata ttttaaagaa 540
atgctcatta gtcattcctt taaattgtgt gtgtgagaga gagaaa 586
```

<210> 1157
<211> 392
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<222> 373, 389

<223> n = A,T,C or G

<400> 1157

```
cctccggctg gtgttctgag ggttgccagg ccatcggtga cacaggcacc tctctgctca 60
ctgtgcccc a gcagtacatg agtgctcttc tgcaggccac aggggcccag gaggatgagt 120
atggacagtt tctcgtgaac tgtaacagca ttcagaatct gccagcttg accttcatca 180
tcaatggtgt ggagttccct ctgccacctt cctcctatat cctcagtaac aacggctact 240
gcaccgtggg agtcgagccc acctacctgt cctcccagaa cggccagccc ctgtggatcc 300
tcggggatgt cttcctcagg tcctactatt ccgtctacga cttgggcaac aacagagtag 360
gctttgccac tgnccgctag acttgctgnc tc 392
```

<210> 1158
<211> 375
<212> DNA
<213> Homo sapiens

<400> 1158
 gggaaaaata attttattcc tcaaagatgc agcacattca gaagcaggac agaggagctc 60
 tgatgacatc tctgggggac tcaaagcggc cctcattttc tggatatttc ccagggtgatt 120
 ctcttccaac ctgtgagtcc tgctctcttt cctcccatct gaagtttgag acatcctctg 180
 ccacaaggaa agccaccaat accagcccaa agagccacca gagaggaacc aaaccacatg 240
 catcaagtta taggaaggat gcaagaaggg aaattaggaa ggaaaggagg gagtttagtt 300
 ggcattctgg ggcattgctaa catgagggcg atggtctctc tccaagtcgc tggacatc 360
 ccttttcttt ccagg 375

<210> 1159
 <211> 361
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 338
 <223> n = A,T,C or G

<400> 1159
 gtttattgta aaaaacaaaa aactctgtat tgtgcacatg aagacctgga gatgtgccga 60
 cttcctgtcc ccaaagccaa tcttccccgc caaggcgact gaggatttca agggctcaga 120
 gttactgcag gaatccaggt gacaccagga agagaagggg gaggagggga atcggagggg 180
 atgggtttta aaggcagagg ggaggagat ggaagggaat gaggaggagg gagactgagg 240
 gggctgcctt tccttgggga ctggggaact catgccttgc cccacccgc agggctccag 300
 ggggtgagaga aagggggtgga gaataaagaa ttgggcanca ggggtgatggg gggaacagca 360
 g 361

<210> 1160
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 1160
 cgcaatgttg ccagtgtctg tctgcagggt ggctacccaa ctgttgcatc agtaccat 60
 tctatcatca acgggtacaa acgagtcctg gccttgtctg tggagacgga ttacaccttc 120
 ccacttgctg aaaagggtcaa gg 142

<210> 1161
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 1161
 ccaaagccta cgaccacctc ttcaagttgc tgctgatcgg ggactcgggg gtgggcaaga 60
 cttgtctgat cattcgcttt gcagaggaca acttcaacaa cacttacatc tccaccatcg 120
 gaattgattt caagatccgc actgtggata tagaggggaa gaagatcaaa ctacaagtct 180
 gggacacggc tgg 193

<210> 1162
 <211> 265
 <212> DNA
 <213> Homo sapiens

bioRxiv preprint doi: <https://doi.org/10.1101/000000>; this version posted January 1, 2015. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.

<400> 1162

```

cctgggtgcc acgattccca gcctggagcg cagccaggac gtgggagacc ttctcagaga 60
ctctccgggc acactctatg agctccttct tgggtgtaggc atcactgggg ctgcactgca 120
gggcgcctgc cttgggtgacc agagcggcac agccatggcc cagctcctgt acccggtgtt 180
tgatatggga acctatctct tcattttcag cagccaccgc tgcaggcttg gcctccgagg 240
ccagacggcc atagtcactg gtcag                                     265

```

<210> 1163

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 204, 205, 212, 224, 263, 285, 293

<223> n = A,T,C or G

<400> 1163

```

ctgcagagtg ggganaggct tttgccacta gaaacttcca ggatgcacga gatcaaggaa 60
ttaagtctgt aacaaaataa caggatgctc tgtgaagtcc aaagaattgc ttgaggcaaa 120
ctgcagagct ccatgagatc agcaacccca agagctttta caccgccgga cacggtttta 180
taggaaaaaa atctcctata ctgnntattc anaaccaa at gaanagaaat gtcaaaggag 240
tcggaaacaa tatgtcaa at tangtaaatt cctgacctga cccanatttt gcngaacatt 300
tgatcctaaa ctgtgctgtc cacgtcctta ggatcac                                     337

```

<210> 1164

<211> 368

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 221, 226, 233, 242

<223> n = A,T,C or G

<400> 1164

```

ccagacgtgg tggctcacac ctgcaatccc agcaccttag gagggccgagg caggaggatc 60
cttgagggtca ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120
aatacaaaaa attagccaag tgtgggtggca tatgcctgta atcccaacta ctcagaaggc 180
cgaggcagga gaattacttg aacgcaggag aatcactgca ncccangagg canagggttg 240
antgagccga gattgcacca ctgcactcca gcctgggtga cagagcaaga ctccatctca 300
gtaaataaat aaataaataa aaagcgctgc agtagctgtg gcctcaccct gaagtcagcg 360
ggcccagg                                     368

```

<210> 1165

<211> 267

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 179, 211, 214, 235, 251, 252

<223> n = A,T,C or G

<400> 1165

```

ctgggaagga ggctcctccg ccttctcctg tttgtcatcc tcctcatcag actcgacctc 60
catctcaact tcctcactct ccccaaactt ttcatagcgc tcctgaatga ggattcgggc 120
ccccagctcc tctggcgtgg tggggggagg gaagttccct tgctcattgg gttggaagnc 180
cactgtttcc accaccacaa aatcatgcc a ntcnatctga gcataggcca cccgntcctt 240
ctccttctcc nnttcttctt tcttcct 267

```

<210> 1166

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 142, 323, 354, 376, 381, 382, 402, 408, 422

<223> n = A,T,C or G

<400> 1166

```

ctgtctgtac actttttctt gggggaagag ttcttgtctt cagtttactg cagtaggggtt 60
cctggctctg ttacatgctc atgtgttccg gaagaacaca tgaaatatca tcccacggat 120
gacgatacag cccctgcttc anccctcttct gatcaagata gtgtccaatg aaccccatatc 180
tccttcccag cacaaagatg ccattgaggg ctccaatgtc aatatattca tcagcttcct 240
ccctgcaaca cacatcaact tgtagtttta aaagggtcac gtgactgccc tcctccccac 300
agacagtact actactgccc aanaatgaga agaaaagggg tgctctgggt ggtngcatta 360
caggcaattt ttgttntctt nnttatacct ctccttattt tncaaatntt ctattatgag 420
tntgcattac ttt 433

```

<210> 1167

<211> 362

<212> DNA

<213> Homo sapiens

<400> 1167

```

cctctggctc tttcttcagc cacttctcca gctcctgcag gttctgggtct gagtagtcag 60
tgacgacgat ctccttaaag gattcacaa g cagagaggag ctgatagata gtggggccag 120
agccgatgtc aatcagcagg tctcccttca caccgtctag gcagaatata ttgaaaagat 180
ttttcagaag gtgcttaaga atctggcttt ctgcagagtg cctagaacca aacttgtaat 240
atttttctag gtaatcccga ggggttaaaat ggcttagata ggtgtccttg gaggtgaagc 300
ctgattccat tatgtctcac ttccgtacca ctggagcact gccctccttc tctttcctcc 360
ag 362

```

<210> 1168

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 370, 382, 406

<223> n = A,T,C or G

<400> 1168

```

gcagtcattg ggcccaggac catgccactg gccctgctcc cccagccgca gcctcacctg 60

```

```

caggtgctcc tcgatgtcct tgcggtcgta ggtgatgcc a ctgggcgtga tgcacggctc 120
ccgcatcagc tcaaagctga tcttgccaca caggtagtcg gggatgtctc gcttctgtgg 180
cacaggggca cacggtcaga ggctgaaaag gggcactgca cgagcacctg ccagccatcg 240
gcagcaagcg acacacactc accttcctct tctcatccac ctgagaaaaa agctcgtcca 300
tgtccgcat gtacttgtcc tgtgaagagt tgagtgtgt gcttggggga gacaccccac 360
ctccctcctn catggggcac anaccaaca caaggcgggg atgctnccac gccacgtgca 420
cacacacaga cccacatgtg ggtggggggc accctcacg 459

```

<210> 1169

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1169

```

ccaggccacc tgtgcggggc tcctcgatgt ggaagggttcg ggtgaggaga ttgtagaagg 60
agccgtagca cacggccacc acagtgcacg tgaggcagat cacgctgtag ggcatgctga 120
agtccggtgt cggcagggtc accagcagcg gctccgtgta gagccgcaca aagtagttag 180
agccatcaga gactgggaac aggctgttga agaggggact ctcttcccag tccactggct 240
tggtctgtac catgctgggc acaagggcgc tgaggacaga tgggctgaca tagaagccat 300
ggttaggatc tggcgtgtac tcggtccact tcagcagcgc ccgctcaaac tggatggaaa 360
ccttggtgac tgagttggcc ggccag 386

```

<210> 1170

<211> 480

<212> DNA

<213> Homo sapiens

<400> 1170

```

ctatttctct gttagtgttt aaccaaccat ctgttctaaa agaagggtctg aactgatgga 60
aggaatgctg ttagcctgag actcaggaag acaacttctg cagggtcact ccctggcttc 120
tgaggaaaag agaaggaggg cagtgcacca gtggtacaga agtgagacat aatggaatca 180
ggcttcacct ccaaggacac ctatctaagc cattttaacc ctcgggatta cctagaaaaa 240
tattacaagt ttggttctag gcactctgca gaaagccaga ttcttaagca ccttctgaaa 300
aatcttttca agatattctg cctagacggg gtgaaggagg acctgctgat tgacatcggc 360
tctggcccca ctatctatca gctcctctct gcttgtgaat cctttaagga gatcgtcgtc 420
actgactact caggaccaga acctgcagga gctggagaag tggctgaaga aagagccaga 480

```

<210> 1171

<211> 317

<212> DNA

<213> Homo sapiens

<400> 1171

```

cctcagcagc cctgccacgg atctgcccga ttctttcgca tcaagaagtt gatcttgcca 60
gccatttcca tggtgtagat ccgccggcac ctttcatagc tttccctctg tcgccggcgg 120
catggcttct cataataccg ccgatgctta atgtcctcaa tgagcccatc catagtgagg 180
attctgttta gggtcctgta tgcgctttcc acgttccctt cctgtaccat cacagtcctg 240
gcgatgaact tcagatgttt tgccatgacc ttggatttaa accttcactc tgtagagcct 300
cgcgcgctca gtacct 317

```

<210> 1172

<211> 202

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 32, 62, 70, 71, 77, 90, 111

<223> n = A,T,C or G

<400> 1172

```
ggcaacggga ggaacagcag cagaggcagc angagcagga ggagcgtgaa cgagaagagc 60
ancggcgatn ngctgcncct agtgaccgan agaagagagc tctggctgca naggcccgac 120
tcgctgcca gttgggagcc cctacctctc caatccctga ctctgcaatc gtcaatactc 180
gacgctgctg gagttgtggg gc 202
```

<210> 1173

<211> 173

<212> DNA

<213> Homo sapiens

<400> 1173

```
ctgcctgggt tgtggccgcc ctagcatcct gtatgccac agctactgga atccccgctg 60
ctgctccagg ccaagcttct ggttgattaa tgagggcatg ggggtggccc tcaagacctt 120
cccctacctt ttgtggaacc agtgatgcct caaagacagt gtcccctcca cag 173
```

<210> 1174

<211> 301

<212> DNA

<213> Homo sapiens

<400> 1174

```
ccaagagcta caatgggcag cgcatacagc agaacgtgca ggtttttgag ttccagttga 60
ctgcggagga catgaaagcc atagatggcc tagacagaaa tctccactat tttaacagtg 120
atagttttgc tagccaccct aattatccat attcagatga atattaacat ggagagcttt 180
gcctgatgtc taccagaagc cctgtgtgtg gatggtgacg cagaggacgt ctctatgccg 240
gtgactggac atatcacctc tacttaaata cgctcctgttt agcgacttca gtcaactaca 300
g 301
```

<210> 1175

<211> 537

<212> DNA

<213> Homo sapiens

<400> 1175

```
cctgcagggc tcggccgtag gagaaggcca gggcccaggg cttcagcagg gggcacttgt 60
taatggcatt gaggttgatg gacgcctcct cctcactctg gcctccagac aggaaggatga 120
tcccagtgac agcggggggc actgtgcggc gcagcgctgt gacggtcgcc atggcaatct 180
cctcatgaga aaacttctga gtgcaagcat ggcctggggg gaccatgttg ggcttcagca 240
aggtgccttc caggtagatg tgggtgtcac tcagagcctt gtagacagca gccagcacct 300
tctcggtcac atactggcag cgcttcaagt catgggtcccc atcagggagg atctcaggct 360
ccacgatggg cacaatgcca ttctgctggc agatactggc ataacgggcc agaacattgg 420
cattttccat gatggcgagg gctgaggggg tgtgttcccc aatcttcagc acacaacgcc 480
acttggcgaa gtcagctccg tccttcttgt actgggcaca gcgctcagac agcccat 537
```

<210> 1176

<211> 384

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 268, 285, 334, 360, 361, 368
<223> n = A,T,C or G

<400> 1176
ctgacaaaaa atgtgaaatt tccacaaaat atccaactta tgtgactaaa cgcagtagtt 60
tttttaaaag gggagataga aaataaatgg ttttgttgga gtgcatttta gtaagccttt 120
gcagtaaaat gacggttgta actactaaac caaatttagt tttcacagca tggttttggt 180
gttttccct tgtttttcag aggtaaaatt tgcattatat ccttcagtat tttaacacta 240
ttttggcagt ttacacatta ctttttgntt ttccttcctt tttgngaaat gtattaagtt 300
gtggttctta ttgaaacagt attatataat gttngcttaa ttatatcatg tgatgctcan 360
ntctattntg atttattcat tagt 384

<210> 1177
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 492, 541, 550
<223> n = A,T,C or G

<400> 1177
ccaacaacat gcaggaagct cagagtatcg atgaaatcta caaatacgac aagaaacagc 60
agcaagaaat cctggcggcg aagccctggg ctaaggatca ccattacttt aagtactgca 120
aaatctcagc attggctctg ctgaagatgg tgatgcatgc cagatcggga ggcaacttgg 180
aagtgatggg tctgatgcta ggaaagggtg atggtgaaac catgatcatt atggacagtt 240
ttgctttgcc tgtggagggc actgaaaccc gagtaaattgc tcaggctgct gcatatgaat 300
acatggctgc atacatagaa aatgcaaaac aggttggccg ccttgaaaat gcaatcgggt 360
ggtatcatag ccaccctggc tatggctgct ggctttctgg gattgatgtt agtactcaga 420
tgctcaatca gcagttccag gaaccatttg tagcagtggg gattgatcca acaagaacaa 480
tatccgcagg gnaaagtga tcttggcgcc tttaggacat acccaaaggg ctacaaacct 540
nctgatgaan gaccttctga gt 562

<210> 1178
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 117
<223> n = A,T,C or G

<400> 1178
cgcgtctgga tggccgaatc attcgcacag actgggacgc aggctttaag gagggcaggc 60
aatacggccg tgggcgatct gggggccagg ttcgggatga gtatcggcag gactacnatg 120
ctgggagagg aggctatgga aaactggcac agaaccagtg agtggtgaga gctctgtcag 180
tgacaaacac tcctttggcc tggtgaattt gctgaagaac atcacctaaa gtctgcacac 240

gagcccatTTT ttaccaagat ttgatcagtg tctttactga gctggaagcc tctgaaagtt 300
 attaaaggac agaatccaaa agaatgcctt taattcttgt ctgagaatct tgg 353

<210> 1179

<211> 288

<212> DNA

<213> Homo sapiens

<400> 1179

ccaatgggat cctcaagggtg cctgccatca atgtcaatga ctccgtcacc aagagcaagt 60
 ttgacaacct ctatggctgc cgggagtcct tcatagatgg catcaagcgg gccacagatg 120
 tgatgattgc cggcaaggta gcgggtggtag caggctatgg tgatgtgggc aagggtgtg 180
 cccaggccct gcgggggtttc ggagcccgcg tcatcatcac cgaggttgac cccatcaacg 240
 cactgcaggc tgccatggag ggctatgagg tgaccacat ggatgagg 288

<210> 1180

<211> 523

<212> DNA

<213> Homo sapiens

<400> 1180

ctggagagat ggagcgggtg gcaccgtcat ccttcctcat cagccacata gaaggacagt 60
 ggcgatttca gcccagcttt tctgactgct tgtaaattga agcccagaac tggtttgcca 120
 cctgtgggat cgactcagca ttttaaaata ggaggcagtc gtgagtgcag gtttcttgca 180
 gctccgggtg gccctgggct ccaggtcagg agacctcagc tcctgtccct gatctgtggt 240
 tgtcaagcct tgcagactct aaactcagca tctttatctg tcagacgtag acacgtggct 300
 cccgtgggtg gtgcgggttg aatagctgag gtaatacacg gacctccaag cactagagca 360
 gtatgaggag ttctgaggaa tggttatcct gcggtgacct tgggtccacag caagccattc 420
 ttatcccatc cggtttactt cccacagcca ctttgtaagc ataggcatta tcctctaccc 480
 catcatagaa atgaggaaaa gaatcaccaa gagagtaagc agc 523

<210> 1181

<211> 493

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 438, 479

<223> n = A,T,C or G

<400> 1181

cacagatgaa ggctttgtga tacctgatga agggggccca caggaggagc aagaagagta 60
 ttaacagcct ggaccagcag agtaacatcg gaattcttca ctccaaatca tgtgcttaac 120
 tgtaaaatac tcccttttgt tacccttaga ggactcactg gtttcttttc ataagcaaaa 180
 agtacctctt cttaaagtgc actttgcgga cgtttcactc cttttccaat aagtttgagt 240
 taggagcttt taccttgtag cagagcagta ttaacaccta gttgggtcac ctggaaaaca 300
 gagaggctga ccgtggggct caccatgcgg atgcgggtca cactgaatgc tggagagatg 360
 ttatgtaata tgctgagggt gcgacctcag tggagaaatg taaagactga attgaatttt 420
 aagctaattg gaaatcanag aatgttgtaa taagtaaagc ccttaagagt atttaaaana 480
 tgcttccaca ttt 493

<210> 1182

<211> 329

373

<212> DNA
<213> Homo sapiens

<400> 1182
cgcgctctctg acactgtgat catgataggg gttcaaacag aaagtgcctg ggccctcctt 60
ctaagtcttg ttaccaaaaa aaggaaaaag aaaagatctt ctcagttaca aattctggga 120
agggagacta tacctggctc ttgccctaag tgagaggtct tccctcccgc accaaaaaat 180
agaaaggctt tctatttcac tggcccagggt agggggaagg agagtaactt tgagtctgtg 240
ggcctcattt cccagggtgcc ttcaatgctc atcaaaacca ggcatgggga aggccctggc 300
aaactgctcc acccggttgcc tgaggttgg 329

<210> 1183
<211> 198
<212> DNA
<213> Homo sapiens

<400> 1183
cctgacagac agaagggctt ggagatTTTT tttctttaca attcagtctt cagcaacttg 60
agagctttct tcatgttgct aagcaacaga gctgtatctg caggttcgta agcatagaga 120
cgatttgaat atcttccagt gatatcggct ctaactgtca gagatgggtc aacaaacata 180
atcctgggga catactgg 198

<210> 1184
<211> 224
<212> DNA
<213> Homo sapiens

<400> 1184
ctggagggtgc ctgagaagggt gcattctgct tcctgcaggg gcttgaaaca ccaaggcact 60
ccagggatcc tggagtcaaa gcagcagccc cggttgttgc actccttggg ggtgacatgg 120
gggtagccgc agtccaccct gtccttggct ggacagggcac actggtttgc agacaggccc 180
acgtactcct cagcagagct ggaggacagc aaggccagga ccag 224

<210> 1185
<211> 367
<212> DNA
<213> Homo sapiens

<400> 1185
cctttttacag atgtcagctt tcaactggcct ccatgcacaa cctcccacta ccacccaatc 60
tgcctgccac agcaaagtgc aggcaccctg ggccccctgg aggatgcggg caggggctac 120
agggcatcca ggatgtggct gatcttgggt accagctcct ggcgctttcc tgagatgagc 180
ttctcattct caatgtacgt gtctttcttg agcttgccag ccaccaggcg ctcagcctcc 240
accgccgact tcagcaccag ctcttgacc tgtgcatcca gcttctgcat ttcgctcact 300
ctgtcgaca gatcagagcc ctctgtcttc agcctggact gcagcagtgc aatctcactg 360
gtcaagg 367

<210> 1186
<211> 188
<212> DNA
<213> Homo sapiens

<400> 1186
ccattaagcg gatgctggag atgggagcta tcaagaacct cacgtccttc cgacctgggc 60

```

aagagctgta gcctgtcggg tgccctactct gctgtctggg tgacccccat gcgtggctgt 120
gggggtggct ggtgccagta tgaccactt ggactcacc cctcttgggg agggagtcct 180
gggcctgg                                     188

```

<210> 1187

<211> 379

<212> DNA

<213> Homo sapiens

<400> 1187

```

gttgatgcta ctctgaagtc tctcaacaac cagattgaga cccttcttac tcctgaaggc 60
tctagaaaga gcccagctcg cacatgccgt gacttgagac tcagccaccc agagtggagc 120
agtggttact actggattga ccctaaccac ggatgcacta tggatgctat caaagtatac 180
tgtgatttct ctactggcga aacctgtatc cgggcccaac ctgaaaacat cccagccaag 240
aactggtata ggagctccaa ggacaagaaa cacgtctggc taggagaaac tatcaatgct 300
ggcagccagt ttgaatataa tgtagaagga gtgacttcca aggaaatggc taccacaactt 360
gccttcacgc gcctgctgg                                     379

```

<210> 1188

<211> 384

<212> DNA

<213> Homo sapiens

<400> 1188

```

cgcgctggac tgcagccagt ccgtttcctt tctttagcca gccatcctgg tactgtagtt 60
taggggttga tgggtggtga aattgatttc tggctggtta ctaagggtgcc tgctagccat 120
tgtataaaat taaaacatga agaataatct ttttttgagc atggctagt gatttaaaac 180
aacacatacc tgtcactgct ggagtcaaac ttataaaaag ccttaagtgg aaagtgttcc 240
agacggagac tctgagttaa tagaggagta gaagctgggt ttaaagttcc cacgacgcac 300
atggctttgc cagaaactct gtttaatgat cggcctttca cctcttcact tatecttagt 360
cccagtagcc aggatacctg atgg                                     384

```

<210> 1189

<211> 419

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 348, 349

<223> n = A,T,C or G

<400> 1189

```

ggaaaaacca gccactgctt tacaggacag ggggttgaag ctgagccccg cctcacaccc 60
acccccatgc actcaaagat tggattttac agctacttgc aattcaaaat tcagaagaat 120
aaaaaatggg aacatacaga actctaaaag atagacatca gaaattgttg agttaagctt 180
tttcaaaaaa tcagcaattc cccagcgtag tcaaggggtg acactgcacg ctctggcatg 240
atgggatggc gaccgggcaa gctttcttcc tcgagatgct ctgctgcttg agagctattg 300
ctttgttaag atataaaaag gggtttcttt ttgtctttct gtaaggtnna cttccagctt 360
ttgattgaaa gtcctagggt gattctatct ctgctgtgat ttatctgctg aaagctcag 419

```

<210> 1190

<211> 173

<212> DNA

1187 1188 1189 1190

<213> Homo sapiens

<400> 1190

```
ccaggtagtg gcacatcatg ctctggatgg gggtagtggt gtcctgtagg cagagaaaca 60
ggaaattgtc gtagtcagta tcgagcagcg tggcctcggt cgccaccgta tagttgatct 120
tgaacttctt tggattctca gtcttctctc caaggacctt cttctcaaca cag 173
```

<210> 1191

<211> 341

<212> DNA

<213> Homo sapiens

<400> 1191

```
cctcctgcca gcagttcttg aagcttcttt ttcattcctg ctactctacc tgtattttctc 60
agttgcagca ctgagtgggc aaaatacatt tctggggcac ctcagggaac ccatgcatct 120
gcctggcatt taggcagcag agcccctgac cgtcccccac agggctctgc ctcacgtcct 180
catctcatth ggctgtgtaa agaaatggga aaagggaaaa ggagagagca attgaggcag 240
ttgaccatat tcagttttat ttattttatt ttaatttggt cttttctcca agtccaccag 300
tctctgaaat tagaacagta ggcgggtatga gataatcagg a 341
```

<210> 1192

<211> 324

<212> DNA

<213> Homo sapiens

<400> 1192

```
ttggagggtg gcggcgcggg gctgaaggct agcaaaccga gcgatcatgt cgcacaaaaca 60
aatttactat tcggacaaat acgacgacga ggagtttgag tatcgacatg tcatgctgcc 120
caaggacata gccaaagctg tccctaaaac ccatctgatg tctgaatctg aatggaggaa 180
tcttggcggt cagcagagtc agggatgggt ccattatatg atccatgaac cagaacctca 240
catcttgctg ttccggcgcc cactacccaa gaaaccaaag aaatgaagct ggcaagctac 300
ttttcagcct caagctttac acag 324
```

<210> 1193

<211> 521

<212> DNA

<213> Homo sapiens

<400> 1193

```
ctgctttggt ttctgttggc agtggaggga caaggtaga ggagccaggg gtagtcatga 60
acaccagtgg gttctgccct gggcagctcc ccaccttctt taagagagta ctgtgtctca 120
gctccagcag tctcaactgg gaagacccag gactcctgct cttttctcta atccctggga 180
gacgagggtc agctaaggta gagtaagcag tcagtacca ggcaggctgg tttgggaggt 240
cactgcctgg aggacgggat cttgtattct tcggaagatg gctgggaaat tcttccctcc 300
attacgtaga actttcttcc cctcctcagt tgaggtgctt agatgtccca caacgggggc 360
ttcactcagg tcctccagag gcacacgctc aaacagtggg tgctcttcga aatgagtga 420
catccagtcg ttagctcca gcacatcggt tatggtatac accagccctt gcataggcaa 480
aatcacccta gacaggaggc tgcattgcaac gtcagcagcc a 521
```

<210> 1194

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1194

ccagtgacta	gaaggcgagg	cgccgcggga	ccatggcggc	ggcggcggac	gagcggagtc	60
cagaggacgg	agaagacgag	ggagaggagg	agcagttggt	tctggtggaa	ttatcaggaa	120
ttattgattc	agacttcctc	tcaaaatgtg	aaaataaatg	caagggtttg	ggcattgaca	180
ctgagaggcc	cattctgcaa	gtggacag				208

<210> 1195

<211> 499

<212> DNA

<213> Homo sapiens

<400> 1195

ccagaaagga	aagacaataa	ttttgttttt	tcattttgaa	aaaattaaat	gctctctcct	60
aaagattctt	cacctacttt	ggtctccata	acttctatgt	tttctttcct	tctgacacac	120
tagtgcccct	aaattgtgat	ttgcctatac	gtttagggcc	ggggttggaa	gatgttaaca	180
accattttaag	attcatttct	gcagtgggag	tgggtggagt	ttcacctct	gggaaagggg	240
caggtgacag	gtatttatca	gtcagtgcct	ctctagctct	tgtaggaaga	agcacacgca	300
ggatggagtc	tagaggatga	gcgatattga	ctagcaattc	atgggctccc	tccagcagtg	360
cgaggggtcag	agtttctgga	gccttgggag	gaggcatccc	tgtgaggggg	ggttagggag	420
atgggagggc	accaggaaaa	gtgattagaa	gtcagggtatg	ggaaggctaa	attaggacag	480
agtcgagtac	atctctgct					499

<210> 1196

<211> 455

<212> DNA

<213> Homo sapiens

<400> 1196

ctgaccccc	tttgtccaca	gctaagatgg	cagcagaatg	ctatgtcact	atatacagaa	60
acaagacaac	ctgaagctaa	atggatgccc	cctgcagagt	caacagggtcc	agcctcacag	120
tgcacgccct	gagctacagc	ctctcccaaa	aggcatcttc	cccacagcct	caacgccgag	180
caaggagcat	caagggtttg	tctcggttgt	tttgttcttt	ttacaaacta	tagatatata	240
cagttgaaaa	ctcaggattt	ctagccaata	accatagtta	ccaccacctt	acaaataaaa	300
agaaaatgcc	agaaacatct	ttaaatgcct	tgtcacacca	acagcaaagt	gcacagagtg	360
aggagaacac	gagagtgcct	tttcatttta	aaaatgtttg	gaaatatgta	caacttcgat	420
acagtttcag	ggtgctccag	acacccatgg	acctg			455

<210> 1197

<211> 444

<212> DNA

<213> Homo sapiens

<400> 1197

cctggatgtg	gctcttcgca	ctgaaggcca	agtagtagat	cacaaggccg	atcgccgcag	60
ccagcacctc	agtggacacc	cagggcccgt	tccaagtgcc	ccgatgggtcc	acgctgactg	120
taaacagagg	cgggatgatg	gaaatgtcct	cgttattcct	ctgagccttc	ctgaggaggc	180
tgtaggactc	ctcgtcgaag	aatctaacct	catagggtgcc	tgcgtgggcg	ctcttgtggt	240
tcaggcttca	ggacacctga	taacgccccca	catcctggcc	tcgagtgaca	gggaattgtt	300
ttccaccgac	gtcagcatag	agagccatgt	tctggaccct	gttcttgcat	gtcagggaga	360
tctccacaat	gaagacggtc	tcagtggaaa	tgacagcgtc	agaagtgggtg	tagtaggaag	420
gggtgatctg	gggctccagg	cagg				444

<210> 1198

<211> 450

<212> DNA
<213> Homo sapiens

<400> 1198

```
ccatgggtgt ctggagcacc ctgaaactgt atcaaagttg tacatatattc caaacatttt 60
taaaatgaaa aggcactctc gtgttctcct cactctgtgc actttgctgt tgggtgtgaca 120
aggcatttaa agatgtttct ggcattttct ttttatttgt aagggtggtg taactatggt 180
tattggctag aaatcctgag ttttcaactg tatatatcta tagtttgtaa aaagaacaaa 240
acaaccgaga caaacccttg atgctccttg ctcggcgttg aggctgtggg gaagatgcct 300
tttgggagag gctgtagctc agggcggtgca ctgtgaggct ggacctgttg actccgcagg 360
gggcatccat ttagcttcag gttgtcttgt ttctgtatat agtgacatag cattctgctg 420
ccatcttagc tgtggacaaa ggggggtcag 450
```

<210> 1199

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1199

```
agtcacagtt gcacctattc aaaactagct tttaaagtgag ctattttttaa acttcataaa 60
aatattcatg attttattag tttgaatatt tctacaagat tcgggtgggc ttttccttta 120
ggtgaaaaca gctatccact cctgtggcct tataactcag gaaatgctgg ggatgcaaac 180
gtgcaaaagg cagggggaag ctgcccaggc tgagactgga gcagctagga gtgtgcttgg 240
ggaacgggag ctgagatccc ggagcagaaa tggtcagccg tgctctggag cagg 294
```

<210> 1200

<211> 258

<212> DNA

<213> Homo sapiens

<400> 1200

```
agctaccta gaacagctaa aagagcacac ccgtctatgt agcaaaatag tgggaagatt 60
tataggtaga ggcgacaaac ctaccgagcc tgggtgatagc tggttgtcca agatagaatc 120
ttagttcaac tttaaatttg cccacagaac cctctaaatc cccttgtaaa tttaactgtt 180
agtccaaaga ggaacagctc tttggacact aggaaaaaac cttgtagaga gagtaaaaaa 240
tttaacaccc atagtagg 258
```

<210> 1201

<211> 403

<212> DNA

<213> Homo sapiens

<400> 1201

```
ctgagctgct gtctgctttg gaaaaccggt cctgccgctg ccgatggatg gaaatgcaat 60
ggatttcagc ttcttatcat cagccagggc caagcagttt ttcactgtct tttccagaag 120
ttcttcacac ttgtctgcac cccaaactgg actattacag tggatcacia acttggcagg 180
caggccatgg cctgctgctga cagcagctcc agctacttcc aaggggcccg tctttttccg 240
gagttccagg acagcttcca caaactcctt gccaccttcc ttctccagcg tgtttcctag 300
gtcatcttta aggtcaatgt cagcattggg aggattgatt atggcctcca cctcaaagcc 360
ggctaaatta ctgatttcac tgtgaataag gtccggcttc tgg 403
```

<210> 1202

<211> 325

<212> DNA

<213> Homo sapiens

<400> 1202

ctgaacctgc	gggagtcggc	caccatcacg	tgcctggtga	cgggcttctc	tcccgcggac	60
gtcttcgtgc	agtggatgca	gagggggcag	cccttgctcc	cggagaagta	tgtgaccagc	120
gccccaatgc	ctgagcccca	ggccccaggc	cgggtacttcg	cccacagcat	cctgaccgtg	180
tccgaagagg	aatggaacac	gggggagacc	tacacctgcg	tgggtggccct	tgaggccctg	240
cccaacaggg	tcaccgagag	gaccgtggac	aagtccaccg	gtaaacccac	cctgtacaac	300
gtgtccctgg	tcatgtccga	cacag				325

<210> 1203

<211> 518

<212> DNA

<213> Homo sapiens

<400> 1203

ctcaaccaca	gtctgacacc	agagcccact	tccatcctct	ctgggtgtgag	gcacagcgag	60
ggcagcatct	ggaggagctc	tgcagcctcc	acacctacca	cgacctccca	gggctgggct	120
caggaaaaac	cagccactgc	tttacaggac	aggggggttg	agctgagccc	cgcctcacac	180
ccacccccat	gcactcaaag	attggatttt	acagctactt	gcaattcaaa	attcagaaga	240
ataaaaaatg	ggaacataca	gaactctaaa	agatagacat	cagaaattgt	taagttaagc	300
tttttcaaaa	aaccagcaat	tccccagcgt	agtcaagggt	ggacactgca	cgctctggca	360
tgatgggatg	gcgaccgggc	aagctttctt	cctcgagatg	ctctgctgct	tgagagctat	420
tgctttgtta	agatataaaa	aggggtttct	ttttgtcttt	ctgtaagggtg	gacttccagc	480
ttttgattga	aagtcctagg	gtgattctat	ttctgctg			518

<210> 1204

<211> 352

<212> DNA

<213> Homo sapiens

<400> 1204

ggggaaagga	ggtctcactg	agcacccgtcc	cagcatccgg	acaccacagc	ggcccttcgc	60
tccacgcaga	aaaccacact	tctcaaacct	tcaactcaaca	cttccttccc	caaagccaga	120
agatgcacaa	ggaggaacat	gaggtggctg	tgctgggggc	acccccccagc	accatccttc	180
caaggtccac	cgtgatcaac	atccacagcg	agacctccgt	gcccagaccat	gtcgtctggt	240
ccctgttcaa	caccctcttc	ttgaactggg	gctgtctggg	cttcatagca	ttcgccctact	300
ccgtgaagtc	tagggacagg	aagatgggtg	gcgacgtgac	cggggcccag	ga	352

<210> 1205

<211> 250

<212> DNA

<213> Homo sapiens

<400> 1205

ctgttcaact	tccaactcta	aataggcacc	attaaacaaa	aaaccccagt	atttttaaatt	60
tctccagcac	acattccagg	atcaatgctc	tgaactgtaa	tcagctagta	attcataacg	120
ggaatacagc	cttagaatgg	aagctatat	gcttccctgc	cccctttctc	ttacaattgg	180
agagtgtagg	tattaaggga	tacaaagtca	gaggaagaat	aattaaaaag	aaaaatgccc	240
aaagctgcag						250

<210> 1206

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10, 11, 13, 236, 237

<223> n = A,T,C or G

<400> 1206

```
ctgctctcgn ngncctactg gatggaccag cacttccgca cgacgcccct ggagaagaac 60
gcccccgctct tgctggccct gctgggtatc tggtagatca actgcttttg gtgtgagaca 120
cacgccatgc tgccctatga ccagtacctg caccgctttg ctgctgactt ccagcagggc 180
gacatggagt ccaatgggaa atacatcacc aaatctggaa cccgtgtgga ccaccnnaca 240
ggccccattg tgtgggggga gccagggacc aatgg 275
```

<210> 1207

<211> 182

<212> DNA

<213> Homo sapiens

<400> 1207

```
ccatctcctg ctggaagtcc agggcgacgt agcacagctt ctctttgatg tcgcgcacga 60
tttcccgcctc ggccgtggtg gtgaagctgt agcctcgctc agtgaggatc ttcattgaggt 120
agtcggtcag gtcccggcca gccagggtcca gacgcaggat ggcgtggggg agggcgtagc 180
cc 182
```

<210> 1208

<211> 260

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 130, 154, 167, 176, 240

<223> n = A,T,C or G

<400> 1208

```
gctggttatg aactcctgac ctcaagtgat ctgccctcct cagcctccca aagtgcctggg 60
attataggca tgagccactg gaatttttct tttttttttt ctttcttttt tttttttttt 120
ttaaattgan acaaggtctg gctctatcgc ccangctgga gtgcagnggc accatntcgg 180
ctcactgcaa cctctgcctg ctgggctcga gccatcctcc cacctcagcc tcccaagtan 240
ttgggactag aggtatgcac 260
```

<210> 1209

<211> 487

<212> DNA

<213> Homo sapiens

<400> 1209

```
aaaccactc caccttacta ccagacaacc ttagccaaac catttaccca aataaagtat 60
aggcgataga aattgaaacc tggcgcaata gatatagtag cgcaagggaag agatgaaaaa 120
ctataaccaa gcataatata gcaaggacta atccctatac cttctgcata atgaattaac 180
tagaaataac ttgcaagga gagccaaagc taagaccccc gaaaccagac gagctaccta 240
agaacagcta aaagagcaca cccgtctatg tagcaaaata gtgggaagat ttataggtag 300
aggcgacaaa cctaccgagc ctggtgatag ctggttgtcc aagatagaat cttagttcaa 360
```

ctttaaattt gccacagaa cctctaaat ccccttgtaa atttaactgt tagtccaaag 420
 aggaacagct ctttgacac taggaaaaaa ccttgtagag agagtaaaaa atttaacacc 480
 catagta 487

<210> 1210

<211> 216

<212> DNA

<213> Homo sapiens

<400> 1210

ccactcagct cagcgggcca cgtgccccta caagttggca gaagtggctg ccactgctgg 60
 gtttgtgtaa gagaggctgc tgccaccatt acctgcagaa accttctcat aggggctacg 120
 atcggtactg ctagggggca catagcgccc atggatgtgg taggtggggg actcgctcat 180
 aggatggtag gtatcccggg ctggaaagat gtccag 216

<210> 1211

<211> 443

<212> DNA

<213> Homo sapiens

<400> 1211

ccaaggctcag aggctgatgc aacaggccct cttctcccca gggccaggct cctgtccagc 60
 ctgggcactg cccagagtga tggcattggc ccgatgctg ttctgtctct gcttggacac 120
 cttcgcaaag atttctttca ggacagtctc aaaggctagc tcaacattgg tagagtccag 180
 ggctgaggtc tccaggaaga gcagtccatt gttttcagcg aacattcggg cctcctcagt 240
 gggcacttcc cgggcctggc tgaggctact tttgttacct acgagcatga cgacgatcgt 300
 ggcttcagca tggcataga gctccttcag ccacgctcc accacagcat aggtctgggtg 360
 cttgggttagg tcaaacacca ggaggggccc cactgcacca cgatagtacg ccgagggtgat 420
 ggctcggtac cgctccaggc cag 443

<210> 1212

<211> 526

<212> DNA

<213> Homo sapiens

<400> 1212

actgaaaccc gagtaaattgc tcaggctgct gcatatgaat acatggctgc atacatagaa 60
 aatgcgaaac aggttggccg ccttgaaaat gcaatcgggt ggtatcatag ccaccctggc 120
 tatggctgct ggctttctgg gattgatgtt agtactcaga tgctcaatca gcagttccag 180
 gaaccatttg tagcagtggg gattgatcca acaagaacaa tatccgcagg gaaagtgaat 240
 cttggcgccct ttaggacata ccaaagggc taaaacctc ctgatgaagg accttctgag 300
 taccagacta ttccacttaa taaaatagaa gattttgggtg tacactgcaa acaatattat 360
 gccttagaag tctcatattt caaatcctct ttggatcgca aattgcttga gctgttggtg 420
 aataaatact gggatgaatac gttgagttct tctagcttgc ttactaatgc agactatacc 480
 actggtcagg tctttgattt gtctgaaaag ttagagcagt cagaag 526

<210> 1213

<211> 359

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 15, 255, 258, 321, 322, 357

<223> n = A,T,C or G

<400> 1213

```
ccagccattg cctgncattt ggtagtatag tatgattctc accattattt gtcattggagg 60
cagacataca ccagaaatgg gggagaaaca gtacatatct ttctgtcttt agttttattgt 120
gtgctgggtc aagcaagctg agatcatttg caatggaaaa cacgtaactt gtttaaaagt 180
ttttctggta gcttttagctt tatgctaaaa aaaataatga cattgggtat ctatttcttt 240
ctaagactac attantanga aaataagtct ttcatgctt atgatttagc tgttttgtgg 300
taattgcttt ttaaaggaag nnattaatat cataagttat tattaatatt gtgaacnca 359
```

<210> 1214

<211> 428

<212> DNA

<213> Homo sapiens

<400> 1214

```
ccaagcttga ggcagcccta ggtgaggcca agaagcaact tcaggatgag atgctgcggc 60
gggtggatgc tgagaacagg ctgcagacca tgaaggagga actggacttc cagaagaaca 120
tctacagtga ggagctgcgt gagaccaagc gccgtcatga gacccgactg gtggagattg 180
acaatgggaa gcagcgtgag tttgagagcc ggctggcgga tgcgctgcag gaactgcggg 240
cccagcatga ggaccagggtg gagcagtata agaaggagct ggagaagact tattctgcca 300
agctggacaa tgccaggcag tctgctgaga ggaacagcaa cctgggtgggg gctgcccacg 360
aggagctgca gcagtcgcgc atccgcatcg acagcctctc tgcccagctc agccagctcc 420
agaagcag 428
```

<210> 1215

<211> 414

<212> DNA

<213> Homo sapiens

<400> 1215

```
ctgaagcact cttcagagac tacgtccaca gacactgatg ctgaggcctt tcttgtaagt 60
gaagaaaaag gaatgcagca aagaagagtt cgacattgga gtccttagtt ccatcaggat 120
cccatcgca gccttttagca tcatgtagaa gcaaactgca cctatggctg agatagggtg 180
aatgacctac aagattttgt gttttctagc tgtccaggaa aagccatctt cagtcttgct 240
gacagtcaaa gagcaagtga aaccatttcc agcctaaact acataaaaagc agccgaacca 300
atgattaaag acctctaagg ctccataatc atcattaaat atgcccacac tcattgtgac 360
tttttatttt atatacagga ttaaaatcaa cattaaatca tcttattttac atgg 414
```

<210> 1216

<211> 162

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 118, 119, 148

<223> n = A,T,C or G

<400> 1216

```
cctggccgca gggccccccg gtattgctgt tgctacgagg ttgggggggca gcgattgtcc 60
tgtgggagcc accgttctcc tgggtcgggg accctcactt cttctggggg gtgctcannt 120
tctgcatgcc ccgcatcttg tccagcangc cagaaatgaa gg 162
```


<210> 1217
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 306
 <223> n = A,T,C or G

<400> 1217
 ctgaagtaga ggctggaact gaagctgaga ctgaggctga ggctgaaact ggagctaagg 60
 gtgaggctgg aactggagct gaggttgagg ccagaactgg agctaaagtt gaggctggaa 120
 ccggagctga gggtgaggct ggaactggag ttaagggtgc tggaagtgga gctgagggtg 180
 aggctggaac tgaagctgag gttgaagggt gaagtggagc cgaagctaga ggtggaactg 240
 aggctgaaga ctgtgcttgc tggatccctg tagcctgttt tttggcaaat cttggaggaa 300
 gcttanaagt ctggcttctt cctttttcat ttgcattctt tttgttccag accttaaaaa 360
 attaacgggg accatttttg tcaataatgc ag 392

<210> 1218
 <211> 526
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 379, 447, 470, 501
 <223> n = A,T,C or G

<400> 1218
 ctgagctttc agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60
 agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatatc ttaacaaagc 120
 aatagctctc aagcagcaga gcattctcag gaagaaagct tgcccggtcg ccatcccatc 180
 atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa 240
 agcttaactt aacaatttct gatgtctatc ctttagagtt ctgtatgttc ccatttttta 300
 ttctttctgaa ttttgaattg caagtagctg taaaatccaa tctttgagtg catgggggtg 360
 ggtgtgaggc ggggctcanc ttcaaccccc tgtcctgtaa agcagtggct ggtttttcct 420
 gagcccagcc ctgggagggtc gtgggtangtg tggaggctgc agagctcctn cagatgctgc 480
 cctcgctgtg cctcacacca nagaggatgg aagtgggctc tgggtg 526

<210> 1219
 <211> 382
 <212> DNA
 <213> Homo sapiens

<400> 1219
 ctggccggcg gtgcagatct ggagtccagc ctcagggatg cgctactttc cattctctgc 60
 attgaacatt cgttctgtca gcattccgctc cagcttact gcattcagcg caaacttgcg 120
 gatcccgtca gagagcttct ccacagccat ctggtcctcg ttgtgcaacc aacggaaaga 180
 cttctcatcc aggtggattt tttccagggtc actggcttgg gccgccttgg ctgagagcac 240
 aggaccagc ttggcgttgt cctgcagcag ctctcccagg agcttgggtg agatgggtgag 300
 gaagtacag ccggccagtg ctttgatctc gcccggtgtg cggaaggagg cgcccatgac 360
 aatggttttg tagctaaact tc 382

<210> 1220
 <211> 127
 <212> DNA
 <213> Homo sapiens

<400> 1220
 tcgacctcct tgaagcagac caagtatagc aagcctctaa aaggactact gagaaacaga 60
 atcagaaact ctagaactct agttagggcc cttcagcagg gctgcagagc ctccctggat 120
 acccagg 127

<210> 1221
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 1221
 ccacccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga 60
 gaaaaacaat gacttgggccc aattacacga ctgcaaagct agagctgcca acagggctcc 120
 agggagcttg gcttctgtag aagttctaag gaagcggtag gaactccacg gcggtggggc 180
 gctaactagc agggacccct gcaagtgttg gtcggggggc tcgggctgcc tgagctgaca 240
 cgagggggagg ggtctgtgta gccaacaggt gaccgaaggg cttgcctgcc cacagcttac 300
 ttgg 304

<210> 1222
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 1222
 ctgtcgcact cgtagctgca actcactcaa cttgtcttta gcagcaattt ctgcatagtc 60
 attggcatgt tcacctacct ggatgtccgg gtgaactctc agcatgcctc cagcaaagag 120
 ggagaacttg gtggaatttg agtgaagaca gatctggtag tcaccagggg tatgggaagt 180
 gaaagtgaac ctgccctcgg agccatactg ccggggccagg atgaccttgt cctctgggtc 240
 ctccacctcc acaaacatgc caagccccgg ggtggccggc tgggtactcct cccgctgctt 300
 gtcatacag 309

<210> 1223
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 1223
 cctggcctgg gagccctgtg cctactagaa gcacattaga ttatccattc actgacagaa 60
 caggtctttt ttgggtcctt cttctccacc acgatatact tgcagtcctc cttcttgaag 120
 attctttggc agttgtcttt gtcataaccc acaggtgtag aaacaagggg gcaacatgaa 180
 atctctgttt cgtagcaagt gcatgtctca cagttgtcag tctgccactc cgagtttatt 240
 ggtgtttgtt tcctttgaga tccatgcatt tcctggttga atctcctgga actccctcat 300
 taggtatgaa atagcatgat gcattgcata aagtcacgaa ggtggcaaag atcacaacgc 360
 tgcccaggag aacattcatt gtgataagca 390

<210> 1224
 <211> 407
 <212> DNA
 <213> Homo sapiens

<400> 1224

```

ccttatgact acaacggccc acgagaaaaa tatggaatcg ttgattacat gatcgagcag 60
tccgggcctc cctccaagga gattctgacc ctgaagcagg tccaggagtt cctgaaggat 120
ggagacgatg tcatcatcat cgggggtcttt aaggggggaga gtgacccagc ctaccagcaa 180
taccaggatg ccgctaacaa cctgagagaa gattacaaat ttcaccacac tttcagcaca 240
gaaatagcaa agttcttgaa agtctcccag gggcagttgg ttgtaatgca gcctgagaaa 300
ttccagtcca agtatgagcc ccggagccac atgatggacg tccaggggctc caccagggac 360
tcggccatca aggacttcgt gctgaagtac gccctgcccc tggttggg 407

```

<210> 1225

<211> 250

<212> DNA

<213> Homo sapiens

<400> 1225

```

ctgcagcttt gggcattttt ctttttaatt attcttcctc tgactttgta tcccttaata 60
cctacactct ccaattgtaa gagaaagggg gcaggggaagc aatatagctt ccattctaag 120
gctgtattcc cgttatgaat tactagctga ttacagttca gagcattgat cctggaatgt 180
gtgctggaga aatttaaaat actgggggtt tttgtttaat ggtgcctgtt tagagttgga 240
agttgaacag 250

```

<210> 1226

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 427

<223> n = A,T,C or G

<400> 1226

```

ccttttaggt gttgctcttg gcaggggggtg ggggtgcggg ggcttacagt gggggccctt 60
agttggcaca ggttcggaag ggccccaggc agacatgaat tctcctgaga cttgaggtag 120
gttgcttcag ccagcccggg cggagaagaa gggcagagag cgaacatagg agtccagtcg 180
ggagcgaaag agctcacttt gcacagtttg gccagcggg cacaggggat tcttcaccac 240
cagctccaca tacagcgcac tgtagatgtg gtgcagcaca tctcggatgg gtcccacgcc 300
caagtcagta ttcatgacaa ctttgatccc agtgggcgtc tcgtagtaat ggagtttgta 360
acggctagtt tggaaggcca ggaagccatc cttcatgtct agcggggaca tcttgctgac 420
aaacgancgg atagagaaga gcat 444

```

<210> 1227

<211> 491

<212> DNA

<213> Homo sapiens

<400> 1227

```

gttagcctta catgttggtg agacttactt taagtttgca cccttgaaat gtgtcatatc 60
aatttctgga ttcataatag caagattagc aaaggataaa tgccgaaggc cacttcattc 120
tggaacacagt tggatcaata ctgattaagt agaaaatcca agctttgctt gagaactttt 180
gtaacgtgga gagtaaaaag tatcggtttt attctttgct gatgtccttt ctgcttgaaa 240
taacagtcac catacagcta aaggagagga gtttctttcc ttctaagtag gcagaaatgg 300
tatcattatg ttgccgctct ccaatctccc agagctcgct ctctagagaa tcaccttctt 360

```

tcgctttttt tttttttttg aggtagagtc tcactatggt gccagacta gccttgaact 420
 cctgggctca agtgattctc cctcctcagc ctcccagagta gctggaacga actatagttg 480
 caccactgca g 491

<210> 1228

<211> 279

<212> DNA

<213> Homo sapiens

<400> 1228

ctgggcgat ctgatcaact aggcaacatc atgtccgat atgagttcat caacaagttg 60
 actggagaag atgtatttgg aatcaccgtt cctctaatta caagtacaac tggagcaaag 120
 ctgggaaagt ctgctggcaa tgctgtttgg ctaaacagag ataagacatc tccatttgaa 180
 ttgtatcaat tctttgtcag gcaaccggac gattcagtgg aaaggtacct gaagctgttc 240
 actttcctac cccttcacga gattgatcat atcatgcag 279

<210> 1229

<211> 199

<212> DNA

<213> Homo sapiens

<400> 1229

cggccgaggt ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg 60
 cggaagccag cttcaattgc caatttgggtg gcctctaaag ctttactttt aggaacctct 120
 gcaggcgcac aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca 180
 cactgatatt tcgaatcca 199

<210> 1230

<211> 237

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 9, 12

<223> n = A,T,C or G

<400> 1230

ctgcattgnt gnggaattca caactactca ggctgggaaa atacagattg gttcaaagaa 60
 accaaaaacc agagtgtccc tcttagctgc tgcagagaga ctgccagcaa ttgtaatggc 120
 agcctggccc acccttcgga cctctatgct gaggggtgtg aggctctagt agtgaagaag 180
 ctacaagaaa tcatgatgca tgtgatctgg gccgcactgg catttgcagc tattcag 237

<210> 1231

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1231

ctggagggtgc ctcagaaggt gcattctgct tcctgcaggg gcttgaaaca ccaaggcact 60
 ccagggatcc tggagtcaaa gcagcagccc cggttggtgc actccttggg ggtgacatgg 120
 gggtagccgc agtccaccct gtccttggct ggcacggcac actggtttgc agacaggccc 180
 acgtactcct cagcagagct ggaggacagc aaggccagga ccagccccag catgcagagc 240
 gctctggcag ccatgaccac cgtgggctcc gggacgc 277

<210> 1232
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 1232
 ctgcaacttt ttttttttgc aattacagag tggatttcag ttaacagaac aacaattatt 60
 tcgtataagc tgcatacagag acaactgaag atgaaaaaac taccatcccc atatataact 120
 aattttgtgct gtgcaccaac aagaacctgc tttaaatttc catgccaatt tacaaccccc 180
 atactgtacc aggcaagggt agtggctatt gaaaatacca ccaggacagg gctatctaaa 240
 gacacattcg gtagtgtgtt aactatacaa aaaaagacac tgtacagttt aaaaacaaat 300
 cttacacagc cttacatttc aatttttttc tttaaaagga gtgagttg 348

<210> 1233
 <211> 312
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 160, 163, 241, 302
 <223> n = A,T,C or G

<400> 1233
 ctgagcgtac ggccgcgttc atcccagccg cgggtgcccc cacgttgatg acagctacgt 60
 tgcaattggc ctttggggtc tgatcatccg gcagcttgat ggcaagtcgc ttgtagggtg 120
 tcagggttgc cgcaaagctc ctccctcgga gtcgaaccgn atnttgaaat ctccctctcg 180
 ccatcgcctt ctgcacatcc tgagtcattc gcacgcactc catcagcggc aggcgcacgg 240
 ngtgggttccc gttcagtgac acgacgcaag ctgggggtgtc cgggggtggc tctagcaagg 300
 cnatgactgc ct 312

<210> 1234
 <211> 151
 <212> DNA
 <213> Homo sapiens

<400> 1234
 ccggccgcgg gcataaaagg cgccaggtga gggcctcgcc gctcctcccg cgaatcgcag 60
 cttctgagac cagggttgct ccgtccgtgc tccgcctcgc catgacttcc tacagctatc 120
 gccagtcgtc ggccacgtcg tccctcggag g 151

<210> 1235
 <211> 250
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 15, 17, 107, 161, 189
 <223> n = A,T,C or G

<400> 1235
 ctgcaccttn gggcntnttt ctttttaatt attcttcctc tgactttgta tcccttaata 60

cctacactct ccaattgtaa gagaaagggg gcagggaagc aatatanctt ccattctaag 120
 gctgtattcc cgttatgaat tactagctga ttacagttca naggattgat cctggaatgt 180
 gtgctggana aatttaaaat actgggggtt tttgtttaat ggtgcctgtt tagagttgga 240
 agttgaacag 250

<210> 1236

<211> 154

<212> DNA

<213> Homo sapiens

<400> 1236

ctgatacctca ctattgtggg caccatcgct ggcatcgtca ttctcagcat gataattgca 60
 ttgattgtca cagcaagatc aaataacaaa acgaagcata ttgaagaaga gaacttgatt 120
 gacgaagact ttcaaaatct aaaactgcgg tcga 154

<210> 1237

<211> 375

<212> DNA

<213> Homo sapiens

<400> 1237

ccactggatc tttgggatta aagctctgtt ggatttgtac ctacagaggaa gatcaagtgg 60
 ctgataccttt ggactctgta aagagcattc ttctagtcag aggggtggaat ggcagcagca 120
 actggaagaa aatgagtttt ttggtgcccc caccaagag cacacacatg ctgcactgtc 180
 tcggaaagca gggccagcta gagccaccat gttcttctt acctcagttt acctgcggcc 240
 tgcgctgcac tgcagatgcc caccctgccc tgggtctggc cggcggaagc tctgtccaag 300
 gtccacacac ctccaggttt acgccaacat ccttgtgccc tccccacctt ctcttccaac 360
 gcattaggtg cattg 375

<210> 1238

<211> 454

<212> DNA

<213> Homo sapiens

<400> 1238

gtcaagatca agttcaatat catcgccctct ctctatgact acaaccccaa cctggcaacc 60
 tacatgaagc cagagatgtg ggggaagtgc ctggactgca tcaatgagct gatggatata 120
 ctgtttgcaa atcccaacat ttttgttgga gagaatatc cggaagagag tgagaacctg 180
 cacaacgctg accagccact gcgtgtccgt ggctgcatcc taactctggt ggaacgaatg 240
 gatgaagaat ttaccaaaaat aatgcaaaaat actgaccctc actccaagag tacgtggagc 300
 acttgaagga tgaggcccag gtgtgtgcca tcatcgagcg tgtgcagcgc tacctggagg 360
 agaagggcac taccgaggag gtctgccgca tctacctgct gcgcacctg cacacctact 420
 acaagtttga ttacaaggcc catcagcgcac agac 454

<210> 1239

<211> 483

<212> DNA

<213> Homo sapiens

<400> 1239

ctgccaggct gaaaagaagc ctacagctccc acaccgccct cctcaccgcc ctctctcggg 60
 agtcacttcc actggtggac caccggcccc cagccctgtg tcggccttgt ctgtctcagc 120
 tcaaccacag tctgacacca gagcccactt ccatacctctc tgggtgtgagg cacagcgagg 180
 gcagcatctg gaggagctct gcagcctcca cacctaccac gacctcccag ggctgggctc 240

aggaaaaacc agccactgct ttacaggaca ggggggttgaa gctgagcccc gcctcacacc 300
 cccccccatg cactcaaaga ttggatttta cagctacttg caattcaaaa ttcagaagaa 360
 taaaaaatgg gaacatacag aactctaaaa gatagacatc agaaattggt aagttaagct 420
 ttttcaaaaa atcagcaatt ccccagcgta gtcaagggtg gacactgcac gctctggcat 480
 gat 483

<210> 1240

<211> 358

<212> DNA

<213> Homo sapiens

<400> 1240

cctttatgga tgaaagtacc cagtgccttc agaaggtgtc agtacagctc ggaaagagaa 60
 gcatgcaaca attagatccc tcaccagctc gaaaactgtt gaagcttcag ctacagaacc 120
 cacctgccat acatggatct ggatctggat cttgtcagtg actttatgag agtttctgcc 180
 acaaggtgcc caagaggaga ggaatgggaa gagtgcccca gcacgtggtg actgctgat 240
 ttctgctcra tgcctttmts atamstgacc aactgasgg cgaattmcag cacactggcg 300
 gccgttacta gtggatccga gctcgggtacc aagcttggcg taatcatggt catagctg 358

<210> 1241

<211> 194

<212> DNA

<213> Homo sapiens

<400> 1241

ccaaagggttc gtaatgcat ctctgcacca atctcctccc ccatagcaat aagggcaatc 60
 cccagaacag ccactccctg atgtgctccc atgtcagcag gggcttcctt cttgtccttg 120
 tctttctttt ctttcttgct tttgtcttcc tccttctctt tggagtcaaa gtgttcgcta 180
 caaatgtgga gcag 194

<210> 1242

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1242

ccttggttctc actgccctct aaggggaactt ggtcactcgg cactttttaag cctcagtttc 60
 tccagttcaa taataaggac aagagctttt cccatgcatt ctctttcccc gggaaagtgtg 120
 actgaggtga ccagtaatag aattgaaaag ggagagtgtc ttcagtgcaa tgtggcatcc 180
 tggattgggt cttggaacaa aaacaggaca ttagtgggaa aattggaaat ctgaaaaaag 240
 tctgaatttt agttaatata ccaatttcag tctcttggtt ttgacagatg taccatggtg 300
 atgtaagatg ttgacc 316

<210> 1243

<211> 275

<212> DNA

<213> Homo sapiens

<400> 1243

aaaagggtga tgaaagtatt atgtataata ttataatggt aaatatgtga tatgaatttg 60
 ttgaaatcaa cagaatatac agcataaagg gttaattcca attcacaaaa atataaataa 120
 ataggagatt aggaattcca ggatagaatg cagacaatat agaaaatata taatgtcatt 180
 acaaatgtat gaaatcagaa gaggtgccaa gtgacctcag aaatagtgtg gtcaataaaa 240
 gaataaagaa agtgcacgtc agaactgtac cccag 275

<210> 1244
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 1244
 ctgctgctgct tggataacaa gtaattcaac gcacgcactt aacagaaatg ttaaactata 60
 acaagcacca ttgaggatt aacaggaaca tttttttgaa gatttcaaac gaactcgact 120
 ttcagtataa ttgtacctaa agtatattata aacagctcat cggagcctct atttgtcata 180
 gacttttgag ttgattgttg ggaccacata ataggaccat tttttttttg tcttt 235

<210> 1245
 <211> 640
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 565
 <223> n = A,T,C or G

<400> 1245
 ctgatgatgt tccacaaaag agcaaaacat acacaatctg gttccactct acagaaatcc 60
 tggaactgga ctacaaaggg aatagacagg gtgtggcagg aggggggttc tcacggttgg 120
 agtgcgaggt tagggacagg aatagaaggy aggtataaaa cattcatgtg gtattaacag 180
 ggcagatgtg tcaatrtatt tscaagttta gcataatata ggtataaaaa ttaaataaaa 240
 atagttttaka tgtgtgtgta tatatgggtt aatacacacac acatacctcc tagagtcatt 300
 acctgagagg ttctacaaga aaagacagca aattaacaaa aaatacaccc agaatacaaga 360
 tttgagtttt gggttcctttc atagcagaat ggtatgcaac atttcttgga aaaatggcta 420
 atcctagggc ttggaaagag aatataggag taaagtctac aatttctcat ggtacccaga 480
 aaataagaaa ggggttccaaa atgaagaatc gctccttttg caaaccttat ggtaacaaat 540
 ataatattta taaaaagtga attangtaat atgttaatgg agaaataaac atcattatga 600
 aatgctatct taacaaaaaa targagaaaa twttagtttt 640

<210> 1246
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 1246
 aaactttcaa agaactcactt ttaggcttac aaaaataaat atttgtcaaa atgttcaata 60
 aatattacat aaaactagca gcaaaaagta tctagaaatc tgtcgtgtgc aaatagtttt 120
 cttcccaact atcattccca tgggtcccaa taaatttttag aatctagtcc catccccttc 180
 ctagacaagc tgcgttcaac aatctccaag agacaaagta agattggaag tttaaggaca 240
 cgcacacaag acatatatat aaaattctct gaatgtgcaa taaaagaagt actttgtaaa 300
 aagttatggg caaaatgtac aagggcctaa acctagacta attgaaatag caccataaca 360
 aatgacctca atactgtcaa gtgcacctac ttaataaaaag ttttagaaca aggcacaata 420
 cacttgaaaa tctattgcac tttaggaaat ttttgccgtc ttcctatgcc actgtaaaaa 480
 gatggagcgt tttgatcacc gcattctgg 509

<210> 1247
 <211> 310
 <212> DNA

<213> Homo sapiens

<400> 1247

```

catatgtgga actattcttg gaaagtctac aaagtgaaat ctatcgagtt atttctcatt 60
tgcaaagtga tcctttgagt catttctcat aatctataat ctgaatgtta atactgatat 120
ttttaaaagc cctacatccc aacagaccag gccatctaga tatttcagcg tgggtgtctca 180
ggatgagtaa acaaacagct aaaaatatat gacttatgta aactagagtt acaggagtta 240
ctagcttttc tgaaagggat atattctaag tattttttct taaaaaaaaa aaaarggggg 300
gggggggggtt                                     310

```

<210> 1248

<211> 640

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 604

<223> n = A,T,C or G

<400> 1248

```

aaagatataa aactatggag aaaactgcta aagggtatcc ctgaccttta tgatgatgca 60
gctatttttc aggccaaaaa atcattttac tgggcaagaa aaacatctca ttcctttgtc 120
gtgaatatcc ttgctcaggc tctttatgaa ttattttctg ccacagatga ttccttgcac 180
caactaagaa aagcctgttt tctttatctc aaacttggtg gcgaatgtgt tgcgggtcct 240
gttgggctgc tttctgtatt gtctcctaac cctctagttt taattggaca cttctttgct 300
gttgcaatct atgccgtgta tttttgcttt aagtcagaac cttggattac aaaacctcga 360
gcccttctca gtagtgggtg tgtattgtac aaagcgtggt ctgtaatat tctcttaatt 420
tactcagaaa tgaagtatat gggttcattaa gcttaaaggg gaaccatttg tgaatgaata 480
tttggaaact accaagtcct aagagacttt tggaagagga tatatatagc atagtaccat 540
accacttata aagtggaaac tcttggacca agatttggat taatttggtt ttgaagtgtt 600
tggnatataa atatgtaaat acatgcttta attgcaattt 640

```

<210> 1249

<211> 1108

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 527

<223> n = A,T,C or G

<400> 1249

```

caaaataaat ttcaattcaa tgaaaagtaa ataacttagg gatctataaa tgacactgca 60
atgtatcttg ttccattttt aacaggaagt ccttcatgca aatgtgtgag tctcccagga 120
tgcatgaagc tccagccttt tcgtgggtgac tcaatagagc aattgtacct tacaaatktg 180
caaccacctc cctgaaagtc ttctcccacg ttattaagtg caatgyttat ggtaaatgta 240
gaagcatcat gatgaggacg aagagaacgc tgctcggtcag gggagtattt tactacaaaa 300
ttcagtagtg caaatccctt cgtataatag cctgcaaaga ccttcagtgt aactgggtgca 360
atgaactccc ggataaaatg aagccataca ttctccagat caacttgctt catgtggata 420
tcatcagttg ggacattttc ataaccacca gatatacggc tatcatgatg tttttcccca 480
gaccatttgc cgtaatgttc catttcttct accaattcat cacaggncct tttcagaaaa 540
tatggggaac cmaaaagaca tctggacagg gctgttcaam ctatattttc agtgaaaatc 600

```

```

tttgaataat ccmcggttta tataacttttc cttccagtcc acaggatttt caaaaatctg 660
ccagagggtca ttgttataat gggaagtatt gtaattagca gtggataata gccttccaaa 720
ttcatgtcta ttagaaatgt acataaatac accctttggg gggctgagca tttggaatgt 780
ttccggagta ggggagtctt tttccctttg taaagtcatt tctctagcat ttcggcaaag 840
agccatatca ggatccagtt tatcacgaac aaaatagctc ctttcattca tctctgatcg 900
gagtgtcttt cctttaatta agtacacatt agccatatat gggacattcc atactcctac 960
tctattccct tgaacaatat ccacataatc ttcagatcgt gcatagtatc catcaggact 1020
caatgctccc cagaaattgg accacagctt tccatgacga gttacaagag gagcaatgat 1080
ctttctgttt tgttcaatca aaattttt 1108

```

<210> 1250

<211> 567

<212> DNA

<213> Homo sapiens

<400> 1250

```

ctgaatattg aactggaagc agcacatcat taggcctttat gactgggtgt gtgttgtgtg 60
tatgtaatac ataatgttta ttgtacagat gtgtgggggt tgtgttttat gatacattac 120
agccaaatta tttgttggtt tatggacata ctgccctttc attttttttc ttttccagtg 180
tttaggtgat ctcaaattag gaaatgcatt taaccatgta aaagatgagt gctaaagtaa 240
gcttttttag gccctttgcc aataggtagt cattcaatct ggtattgatc ttttcacaaa 300
taacagaact gagaaacttt tatatataac tgatgatcac ataaaacaga tttgcataaa 360
attaccatga ttgctttatg tttatatatta acttgtatgt ttgtacaaac aagattgtgt 420
aagatatatt tgaagtttca gtgattttaac agtctttcca acttttcatg atttttatga 480
gcacagactt tcaagaaaat acttgaaaat aaattacatt gccttttgtc cattaatcag 540
caaataaaac atggccttaa ctaaaaaa 567

```

<210> 1251

<211> 655

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 161, 175, 193, 200, 211, 212, 223, 228, 324, 396, 518, 546, 559, 565, 571, 584, 597, 601, 610, 613, 622, 639

<223> n = A,T,C or G

<400> 1251

```

gaaagaaacc aatttaaatgc caccaaakat aagcctgcta tacctgggaa acaaaaaatc 60
tcacacctaa attctagcag agtaaacgat tccaactaga atgtactgta tatccatatg 120
gcacatttat gactttgtaa tatgtaattc ataatacagg ntttaaggtgt gtggnatgga 180
gctaggaaaa ccnaaggagn aggaaattat nnaaaagaac tgnaggtnaa gtataaagtc 240
atatgcctga tttcctcaaa ctttttggtt ttcctcatgg cttctggctt tatattttta 300
tcacaaacca agatctaaca gggntctttc tagaggatta ttagataagt aacacttgat 360
cattaagcac ggatcatgcc actcattcat gggtgntcta tgttccatga actctaatag 420
cccaacttat acatggcact ccaaggggat gcttcagcca gaaagtaaag ggctgaaaaa 480
gtagaacaat acaaaagccc tcgtgtgggg ggaactgngg gctcactctt acttggcctt 540
cattcnaaac aggttgggnc tttcntgcga ngatctctca gggnggtaaa aactttnttg 600
ntttcaacan aanaggtttg gntgaatgat tactcggcng acacctaagg gatcc 655

```

<210> 1252

<211> 672

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 653

<223> n = A,T,C or G

<400> 1252

```

aaantgcaaa aacccagaag accaataatt ctgaaacttg gcatgagtgt gcccagtcag 60
cagcttgcaa agagaggatg tgtcagttac tacaattgct gtactccttt agctgagtcc 120
ttcaactttc tccttcttgc cagtaaatac tacgttgtaa ttcatatgac tgagatctta 180
gtatcacagg atttttagct cccatgcctc cttcaaaatt gtttacatgg atttgtttct 240
attctctgta ggccatattc caaacacatt cacttctaaa tccaacacaa gtgaaggacc 300
agccaggatg aaacacttca gcaatcattt tggtaaaaat aacatcctgg tcatcaagct 360
aagcataagc acctcttgta taacaattca tcttaaaaagc ttaaagtaca ataataaaaa 420
taactgcctg aaaactggaa atgaaataca acagaaaaac tgaagcatta gtaatttttg 480
caagtaaccc aggtacagta catttgattt catagagggt gttttctgat gtttaaggag 540
agggtagaag gggtaggaaa acttggcaag gaagatggaa acagcacaac cagttatttt 600
gcttttaata aagtaaattgt aatgacagga gtagggaggt gacaaacaca tcnatatata 660
tttttcttat gg                                     672

```

<210> 1253

<211> 644

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 578, 582

<223> n = A,T,C or G

<400> 1253

```

ccaaatatatt gttagaaact tctggtaact tagatgggtct ggaatacaag ttacatgatt 60
ttgggtacag aggagtctct tccaagaga ctgctggcat aggagcatct gctcacttgg 120
ttaacttcaa aggaacagat acagtagcag gacttgctct aattaaaaaa tattatggaa 180
cgaaagatcc tggtccaggc tattctgttc cagcagcaga acacagtacc ataacagctt 240
gggggaaaga ccatgaaaaa gatgcttttg aacatattgt aacacagttt tcatcagtgc 300
ctgtatctgt ggtcagcgat agctatgaca ttataaatgc gtgtgagaaa tatgggggtga 360
agatctaaga catttaatag tatcgagaag tacacagaca ccactaataa tcagacctga 420
ttctggaaac cctcttgaca ctgtgttaaa ggttttggag attttaggta agaagtttcc 480
tgttactgag aactcaaagg gttacaagtt gctgcccacc ttatcttaga gttattcaag 540
gggatggagt agatattaat accttacaaa gagattgnag anggcatgaa acaaaaaaatg 600
yggactattg aaaatattgc cttcgttctg gcggagggtt gctc                                     644

```

<210> 1254

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1254

```

aaagggcatt tgagggggagg attattgcta tgaatgaaaa aaatatattta gcttagacta 60
agctacctgc cttcaaaata gtttagggac caccaccata ttttatatttg tttttatttt 120
tgaacatttt tctaattgatt tggagagaaa actatttaca aaaattccac atatcagtga 180
tacaatttct tgctgtcacc aattttttat aatagcagag tggcctgttc taagaaggcc 240

```

atattttttta agttatcttt cagggtaaca tggaaatact ataaagttgg atgtcaaact 300
 ttaatatggt ttcagtgttc tctaattttt tggaaatttt gtagacttta cacctggaaa 360
 aaaagatttg taaaatcacc ggaacaattg tgtgctttat tttataggta gtgggttatta 420
 gtattacatc cccatttt 438

<210> 1255

<211> 519

<212> DNA

<213> Homo sapiens

<400> 1255

caagcacagg ggagtttata gttctgatgt ctttgacatt ttccctggaa cataccaaac 60
 cctagaaatg tttccaagaa cacctggaat ttggttactc cactgccatg tgaccgacca 120
 cattcatgct ggaatggaaa ccacttacac cgttctacaa aatgaagcat cttctgagac 180
 tcacaggaga atatggaatg tgatctaccc aatcacagtc agtgtgatta ttttattcca 240
 aatatctacc aaggaatgac caggagaata agatcctccg atgttcgcaa tgggtgtggtg 300
 tcaggaggct gcctcttaga caatctccag atgtactgtg atgtgagttt gaaaaagagt 360
 tcctgaagta ccacatctgg gagacatgcc actagctgag cttcccaaaa gtctaccaag 420
 agctgaggaa ttgtatcttc atccttagca caaagcacct taaaaacagt aaaaggagcc 480
 tctatattcc agataaatat agcactgata aagcgacag 519

<210> 1256

<211> 178

<212> DNA

<213> Homo sapiens

<400> 1256

ccatgcagga gttcatgatc ctcccagtcg gtgcagcaaa cttcagggaa gccatgcgca 60
 ttggagcaga ggtttaccac aacctgaaga atgtcatcaa ggagaaatat gggaaagatg 120
 ccaccaatgt gggggatgaa ggcgggtttg ctccaacat cctggagaat aaagaagg 178

<210> 1257

<211> 255

<212> DNA

<213> Homo sapiens

<400> 1257

gggtccactt gctgccccat cattgtatca ccttccttca atcttttggc tgccactctc 60
 atgtagggat ccacggtgag gaacaaagct tcaagcagga cctctccatt ttttaagggt 120
 gggagctcag atgtcttcaa ctcaaagtca ctattagtag gatagccaac aaagtgcctc 180
 ttcaggggcc atgtcttagt acgaaccatc ctgaagctca ggagcccga ggttccactg 240
 cctggggaag gcggc 255

<210> 1258

<211> 630

<212> DNA

<213> Homo sapiens

<400> 1258

aaaactaaaa gcatcactgc tgaactccag ctcaagtctc ccattttata atgaggactc 60
 tgaagtttat agaggtcaag gacttgtcca aagcttttaga tatgtagtgt ctgtgccctt 120
 ttcctctaag tttctcctag agaatgtggg ggctcaggaa cagagaaaat aaggtgcaaa 180
 aagtagaaat ggggtggtgt tctcaaagtg tgggtccatct gcatacctagt gactggggtg 240
 cttgttaaaa tgcagattgc tgggccttat cccaatctga ccaaatcatc tcaggatcta 300


```

ccttttgaac aaacttgcct aggtcaaatt cactcttgtg gaagtttaag tacttcagaa 360
acaagacagc cacagaaggt gcacctgcta atttggtggc ttccagtgcc tcatctgtaa 420
cttctggtga aatcctgaga tgtcttactt tacattgttt acatcccata acattccaac 480
atthagaaat tcactcgagc ttatTTTTct tacttgttta gcactaaatg aaaatagctc 540
cctgaagtta aggagtttat atacagtaat tcatgcaagt gtgtaaatta aacagatgac 600
tttccccctt aatatctaata gcacagcaag 630

```

```

<210> 1259
<211> 159
<212> DNA
<213> Homo sapiens

```

```

<400> 1259
aaaatttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 60
caactttcag gccacagttt tgaaggctctg aagtattaag ttggtttgat gaattagtcg 120
gttggcactt acgaacacat ttattgcctt gccatcttt 159

```

```

<210> 1260
<211> 115
<212> DNA
<213> Homo sapiens

```

```

<400> 1260
aaaaatacta taatttcaaa acttccaaat ttcaacagat gccagtgttc tctccttttt 60
tcatatggga aaatttcttt caaaattatt tgacgcttgg acaaaaattc cacag 115

```

```

<210> 1261
<211> 280
<212> DNA
<213> Homo sapiens

```

```

<400> 1261
aaaatattgt ttatctttat ttatTTTgtg gtaatatagt aagTTTTttt agaagacaat 60
tttcataact tgataaatta tagTTTTgtt tgtagaaaaa gttgctctta aaagatgtaa 120
atagatgaca aacgatgtaa ataattttgt aagaggcctc aaaatgttta tacgtggaaa 180
cacacctaca tgaaaagcag aaatcggttg ctgTTTTgct tctTTTTccc tcttattttt 240
gtattgtggt catttcctat gcaaataatg gagcaaacag 280

```

```

<210> 1262
<211> 144
<212> DNA
<213> Homo sapiens

```

```

<400> 1262
aaattatttg atgagttcca cttgtatcat ggcctaccgg aggagaagag gagtttggtta 60
actgggccta tgtagtagcc tcatttacca tcgwtgtgtat tactgaccac atatgcttgt 120
cactgggaaa gaagcctggt tcag 144

```

```

<210> 1263
<211> 487
<212> DNA
<213> Homo sapiens

```

```

<400> 1263

```

```

aaacatcttg ataatttggt gttgagagct gttcattcta aaatgtaatg aaattcagtc 60
tagttctgct gataaagatc atcagttttg aaagggtact gattttcctc ttccctctta 120
gttttttacc caatatatgg agaagagtaa tgggtcaatct taacattttg ttttaattgt 180
ttaataaagc tgctgggcag tgggtgcagca ttcctaccta gtgtcataaa agcaaaatac 240
ttacatagct ttcttaaaat ataggaatga cattacattt ttaggagaaa gtaagttgct 300
ttgcaccgcc tacttaattc ttttccatat attgtgatac aaacttttga atatggaatc 360
ttactatttg aatagaaatg tgtatgtata atatacatc atacataagc atatatgtgt 420
gtgtgtgtgt gtatatatat atatatgcat gctgtgaaac ttgactacac aacataaatc 480
actttttt                                     487

```

<210> 1264

<211> 250

<212> DNA

<213> Homo sapiens

<400> 1264

```

ctgcttcaac agagtggcag caaccaagct ggagtccaag cccctgata aaaggcagcc 60
aatccttctg tctgtcatca aacgtttctt tacagcatta ttaaaaagga tcctgagggt 120
gttcttcaca gtttctatct caaaacctgg aaagagtttc tccacattgt catagagggc 180
gtgcaggggt tcatcccgac agtgatgata tttaaccatt tccacggatg caactttgcc 240
atttggtttt                                     250

```

<210> 1265

<211> 394

<212> DNA

<213> Homo sapiens

<400> 1265

```

aaatatttgt tccaaccttt ttcgttggtg gcatttatgg ctttgaggca ctgtcaggcc 60
catgttcatt accgtgagct cctgtgcac tcctaatttc caaactagcc tggaaaacgc 120
ctccattgac catgattggt tcatggtcct gtgcatggaa catcatatgt tcaggagat 180
aaagaactct gatagtggca cctgggtaaa aagtacaatc cattatatct ggatatcaag 240
atcttttgca gttgaagaga ggtattgcca cagagaaaat tataggagca gaagaaagtc 300
aatgaaagtc aatgatgaca ctccattagg aaccagaaag atggtattta tttatacata 360
taataggtgt aagagattag aggaagcctg tcac                                     394

```

<210> 1266

<211> 229

<212> DNA

<213> Homo sapiens

<400> 1266

```

ccacagttgt atcatatagc atctctaaca tttcatctag gattatctag tatagatctt 60
actatatttg gggctatggt gtatacaatg ttaacaagaa catatcttct ctgcatatat 120
gtgtgaatta taaagaaaag catgagaatg actctaagtt caacaaacat ggggtgaatct 180
ctatgtgctc ccagtgtcct ggatgggctc cccagcaagc cattcctcc                                     229

```

<210> 1267

<211> 722

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 658

<223> n = A,T,C or G

<400> 1267

```

aaatccttatac aacttttccaa atttttcatac taaaatatat tattgtatta atacaaacta 60
cagtattata cactacactg tgtaataaat aaagaaatat aaaaataaga cacataaata 120
taaaagtttt ctaaaactaa aagtacatat gtcagtaaga agggatttaa tactgccagg 180
tttgaagaca tacagtacaa aaatgttgca cagatctata aactaaaaga aataaaataa 240
tactgatagg taaaaatcag ctaatgttgt taataaattg ggtccataat aactaacatt 300
tggaacagct tatgagccaa ataacaatag catgtccatg tctgaaatgc aagtacatgg 360
ataaagcaga ttagaaaatt tccctttcgt ttctgtagag aaattctgaa aatcaatcaa 420
cataaaatca ataccgagga attgaaggat gaaatgtccc agtgtttcag tttctctgac 480
agagtcagtg gttttaagtt ttatttgagg attttgatac aagagacaaa tcaacaaatg 540
ctagttattg taggccacac attggatgaa ggcgggtag agccttgaaa atactgagaa 600
atggcactta cagcacacag gtcttgctta agggcaaagg agatacaaag cttcatgnca 660
tatecttcat atggtaccac atattcaaac accatcccaa cactgatctg atgattttgc 720
tg 722

```

<210> 1268

<211> 407

<212> DNA

<213> Homo sapiens

<400> 1268

```

gatgacacaa gcagctaata accattttctg gggtttctgcc taacccccta attgtctggt 60
aaagccaatt ctctgggtgt cccagtgagt ggtggctttt tttctttcca cattggcaca 120
ttcactttctc ccactcttgg catgtaagaa ataagcattt acataattgg aaaaatctgg 180
atttctgatg ccaaagggtt aaagcttctt ggatttcatt tcattgatat acagccacta 240
ttttattttt gatcagtggc ctttgggcca ctgttcaggg tactgaccat cagtgtcagc 300
attagggttt tgggttttgt ttcttttggg tatttctttt ttggcacatg tgaatcttgt 360
tttgtgtaaa atgaaattac tttctcttgt tctctgatga tgggttt 407

```

<210> 1269

<211> 675

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 613, 629, 643

<223> n = A,T,C or G

<400> 1269

```

ctgaaaaaga gtgatcctca atatcctaac taactgggtcc tcaactcaag cagagtttct 60
tcactctggc actgtgatca tgaaacttag tagaggggat tgtgtgtatt ttatacaaat 120
ttaatacaat gtcttacatt gataaaattc ttaaagagca aaactgcatt ttatttctgc 180
atccacattc caatcatatt agaactaaga tatttatcta tgaagatata aatgggtgcag 240
agagactttc atctgtggat tgcgttggtt cttagggttc ctagcactga tgcctgcaca 300
agcatgtgat atgtgaaata aaatggattc ttctatagct aaatgagttc cctctgggga 360
gagttctggg actgcaatca caatgccaga tgggtgtttat gggctatttg tgtaagtaag 420
tggttaagatg ctatgaagta agtgtgtttg ttttcatctt atggaaactc ttgatgcatg 480
tgcttttgta tggaataaat tttgggtgcaa tatgatgtca ttcaactttg cattgaattg 540
aaattttggg tggatttata tgtattatac cctgtcacgc ttctagttgc ttcaaccatt 600
tataccattt tgnacatatt tttacttгна aatatttacc tgncccggcc ggccgtcgaa 660

```

agggcgaaat tcaac

675

<210> 1270

<211> 268

<212> DNA

<213> Homo sapiens

<400> 1270

```
ccatcctggg cggagctaaa gttgcagaca agatccagct catcaataat atgctggaca 60
aagtcaatga gatgattatt ggtggtggaa tggcttttac cttccttaag gtgctcaaca 120
acatggagat tggcacttct ctgtttgatg aagagggagc caagattgtc aaagacctaa 180
tgtccaaagc tgagaagaat ggtgtgaaga ttaccttgcc tgttgacttt gtcactgctg 240
acaagtttga tgagaatgcc aagactgg                                     268
```

<210> 1271

<211> 307

<212> DNA

<213> Homo sapiens

<400> 1271

```
cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat 60
ttgatgactt ccgagaagca tattattggc ttcgtcataa tactccagag gatgcgaagg 120
tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaatttttag 180
tggaataaa cacatggaat aatacccata tttctcgagt agggcaggca atggcgtcca 240
cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt 300
ttggagg                                           307
```

<210> 1272

<211> 798

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 613, 619, 703, 726, 773

<223> n = A,T,C or G

<400> 1272

```
ccattgctag aaattgaatc acaaataata gctaataatt tttcattttt caaaaaagat 60
catttgata gcagctatgt ataaaatgga aaataaaaaa ttatttctatt ttgcatgaat 120
agttcagact ttcccatacc acagccaagc agtaactaaa attaggatct taattttcaa 180
tgataaaagg tctaagggttc atttaattat gtccttttaa cactgtcttt ctagattttt 240
caccagtat tttcaaaatt tgggaatgta aacaattgat atattttattg tatgttggct 300
agcagttcat ccttctgcaa aatatgcatt cagagaaatg tgaagcttgt tttaatgaag 360
acttaaacca tttgtgtcat ttgtgttttc atattcaa ataccagaac atataccttt ttcattgtaa 420
acctatatat ttcatcatta acttccta ataccagaac atataccttt ttcattgtaa 480
gttggaatg ggatatggca gttttatttt tgaaaaaat gtaacatgac tttaatat 540
ttatagtttt cagaattaga aacataggaa gggaaaatgt tttaattaga taagtcaact 600
ttttatgggc tgnagtggng actataatag caaattataa agcattatta aatgggtata 660
ataattttta tattacctca ttatgaatta actaaaataa agnggagtga tattttta 720
gggtgntcat actggagctc ctgagatata tgatttgcta ttgactcact ggntgattga 780
ataatatatt actcgcgg                                     798
```

<210> 1273

<211> 664
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 623
 <223> n = A,T,C or G

<400> 1273
 aaaatatacc ttttcacagg tagcaagaaa tagtacaatgt aataagtctt tatgactgga 60
 atgatccaga aatatcacaa agcatgagta aacacatata taaaagtagc tcatcatttc 120
 caaaagttaa ccttttagcct ttgtgtataa taaatgggtgc caacaatctt tataatgtag 180
 caagctttcc ctgtttaata tccaaaaaat ggaggggtggg gaggttgaag aaaaataaga 240
 aaagttagca aataagatag tgaaaagacc aatgcagaga aaagtttatg taatcaaatac 300
 ttgctttgtc tccacattat cacattttta gtggataaat ttatgtaaac agaaaaagat 360
 gtccacaaaa ccataatctat agatgtcatt tggaagcatc aagaaattga taagtattgt 420
 gtgaattaaa attactttta taatgttttg ctttcattaa tgtttggtat tgcaaaaatg 480
 taagatttcc tacaattttg tcttcaaata ccaatctagc ctttcaaact tttatccagg 540
 ttctccagaa tatttgaggt ctttggtatc aaagcacaa gaaagctggc attcattatc 600
 agacttcgct gctttacaat ganttcaaata catttcatga tacaaataaa gtgcctctga 660
 ctgg 664

<210> 1274
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 1274
 ccacaataaa gtttacttgt aaaatttttag aggccattac tccaattatg ttgcacgtac 60
 actcattgta caggcgtgga gactcattgt atgtataaga atattctgac agtgagtgc 120
 ccggagtctc tgggtgtacc tcttaccagt cag 153

<210> 1275
 <211> 504
 <212> DNA
 <213> Homo sapiens

<400> 1275
 aaaattctga taaaaattta ctcaattaca ttttatacat taatatttag tgaatttgtc 60
 caaaaaggct atgtttaatt tatgtgtataa aataacaaaa gatgtatcag tcagtctctg 120
 ggcaataaga aaggaagaaa gccttgctag aaataataaa taatctcacg caaaaggcca 180
 ggtgacataa gaatactaca ataatacaata tgttttcttt gtatttaca taaaatccat 240
 ctgttaacac tgtgatagaa aaaataatca gtccacatca tgtaataaaa acaggctttg 300
 aggatgatta tacctcttat aataaaaaaca tacaaggatt tctcacagct aaagtacttt 360
 tcaactttga caactaatga cagtcattgg tgaaggtaaa actgacagag tacttttagat 420
 cagctatgtc ctacagtcaa ggaatcaagg gcattaccca ttaccaagc agcaaaaagc 480
 actttcattt ttccagaact attt 504

<210> 1276
 <211> 533
 <212> DNA
 <213> Homo sapiens

<400> 1276

gacaatgatg	tcactgtttg	gagccccag	ggcaggattc	atcaaattga	atatgcaatg	60
gaagctgtta	aacaagggtc	agccacagtt	ggtctgaaat	caaaaactca	tgcagttttg	120
gttgcatgga	aaagggcgca	atcagagctt	gcagctcatc	agaaaaaat	tctccatggt	180
gacaaccata	ttggtatctc	aattgcgggg	cttactgctg	atgctagact	gttatgtaat	240
tttatgcgtc	aggagtgttt	ggattccaga	tttgtattcg	atagaccact	gcctgtgtct	300
cgtcttgtat	ctctaattgg	aagcaagacc	cagataccaa	cacaacgata	tggccggaga	360
ccatatgggtg	ttggtctcct	tattgctggg	tatgatgata	tgggccctca	cattttccaa	420
acctgtccat	ctgctaacta	ttttgactgc	agagccatgt	ccattggagc	ccgttcccaa	480
tcagctcgta	cttacttgga	gagacatatg	tctgaattta	tggagtgtaa	ttt	533

<210> 1277

<211> 78

<212> DNA

<213> Homo sapiens

<400> 1277

ccacaggaag	ttgcaaaaat	tagatggact	ctgtgtagct	agccactctt	gagtgtcagg	60
tctgcatatg	tgagtttt					78

<210> 1278

<211> 560

<212> DNA

<213> Homo sapiens

<400> 1278

aaatatctaa	aacaatggcc	cactgaagaa	aggaacaatt	aactctttaa	ttaattcctt	60
aggataagta	cccagaaatt	taacagctag	ggcagacttc	taatacaata	ccgaaagtcc	120
ttccaaaaac	caagtgggtg	ccaacttatg	tcccttagca	ttataacatt	cttgagccaa	180
tagtgtaaaa	atacgctgac	aatttttatag	gcaaacatta	ctcaagggtat	cttactttcc	240
acttattact	aaagtaatta	acccttaa	agatgctcct	caacagtggg	actacatcct	300
ggtaaacccta	tcataagttg	aaactatcaa	gttgaaatgc	atttagtacc	cggataaacc	360
tatcataaag	ttgaaaattt	gtaaattgaa	ccagtgtaaa	tcagaggcca	tcttacttca	420
tactcatgaa	gcaactatag	tgggatattt	ttcaacttac	gagatagcct	aggcttggtg	480
aaacactgtc	ctaatttact	ggctctctgg	taattaagtc	ataaatggtc	aaacatcaaa	540
ttctagaaaa	gcatatat					560

<210> 1279

<211> 580

<212> DNA

<213> Homo sapiens

<400> 1279

aaaggagatt	gtttcaaaat	atTTTTgcaa	attgagataa	ggacagaaag	attgagaaac	60
attgtatatt	ttgcaaaaac	aagatgtttg	tagctgtttc	agagagagta	cggtatat	120
atggtaattt	tatccactag	caaactctga	tttagttaga	tagtgtgtgg	aattttattt	180
tgaaggataa	gaccatggga	aaattgtggg	aaagactgtt	tgtacccttc	atgaaataat	240
tctgaagtgg	ccatcagttt	tactaatctt	ctgtgaaatg	catagatatg	cgcagtgtca	300
actttttatt	gtggtcttat	aattaaatgt	aaaattgaaa	attcatttgc	tgtttcaaag	360
tgtgatatct	ttcacaatag	cctttttata	gtcagtaatt	cagaataatc	aagttcata	420
ggataaatgc	atTTTTattt	cctatttctt	tagggagtgc	tacaaatgtt	tgctacttaa	480
atTTcaagtt	tctgttttaa	tagttaactg	actatagatt	gttttctatg	ccatgtatgt	540
gccacttctg	agagtagtaa	atgactcttt	gctacatttt			580

<210> 1280
 <211> 307
 <212> DNA
 <213> Homo sapiens

<400> 1280
 aaacacatac gaagaaatca actgtgatta tgaagtggca gccagctaaa tatgtcttgt 60
 atttgctctc ttcctttttt tgcctaactc atcctttact tccattcctg cttccatggg 120
 aatgcaggct caaataaatt actaggatac aagattactt caagcctctt ttctgtggaa 180
 ctcataatat gataagcatt tgttacaaga ttgcctgtag ttgttttagg gataaattat 240
 attagggaaa gaaagtcttt ctttagttgg ttaaattttc tattataatt gggactactaaa 300
 tttatttt 307

<210> 1281
 <211> 235
 <212> DNA
 <213> Homo sapiens

<400> 1281
 aaaatatattt aatagttaca tagcacttta gtttgctgat ttaatttatc ccaagggaca 60
 aggatgttaa tgagaaaact gactagattt cagatcacag attttaagag aacaaggatc 120
 tcaaaaccaa ataccctctg cttaaagtgt tttttgtgtt tttcactact gaaaatgttt 180
 agagattgac ttacctattg ctgatactca aaacatctga tatcttaata ttttt 235

<210> 1282
 <211> 230
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 194
 <223> n = A,T,C or G

<400> 1282
 aaagaatttc tttataagat tkactgtmta agattaatag cattcgaaga tccccagact 60
 tcatagaata ctcagggaaa gcatttacct csgtcgctga ccackctarg ggcsawggcc 120
 agcacactgg cggccgttac tagtggatcc gagctcggta ccaagcttgg cgtaatcatg 180
 gtcatagctg attnctgtga ggtaccagat tgcctgtagt tgtttagggg 230

<210> 1283
 <211> 638
 <212> DNA
 <213> Homo sapiens

<400> 1283
 aaacacaaca gctataaacc tgaacacata tgctatcatc atgccataag actaaaacaa 60
 ttatatattag cgacaagtag aaaggattaa atagtcaa atacaagaatga aaaacgcagt 120
 acatagtgtc gcgaactcaa atcggcattt agatagatcc agtgggtttaa acggcacggt 180
 tttgcttata aaaaaagtgc aaaaaagatg tggtttataa gttaaagcta cagaatccct 240
 ttttgctgta attgcaccag ttttaaagcc tctggacaga gcagtatttc gtttaaaact 300
 ttgttyttct taaaagctta cagtgtttgg ctaattctcc tcyctttttt acaagacggg 360
 ggccggaggg tggacactgg tggcagggtta agggatactg tcactttaag aagcctgcag 420
 attgaagtgt aaacatggag aaattagggg ctgatttttt aaactgtgtg agatattaac 480

```

cagccgccct gttataaaat caggaaatcc aaacagcgat ttacaccgat taacaccccc 540
tttatatatatt ttttacaaaa atacactgag aaaataatca aacgttttca tctctcttgt 600
cttttttttgt tttttaaaag tgtcaaaagt ctacattt 638

```

<210> 1284

<211> 745

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 715

<223> n = A,T,C or G

<400> 1284

```

cgacggtatc gataagcttg atatcgaatt cctgcagccc gggggatcca ctagttttga 60
atttacacca agaacttctc aataaaagaa aatcatgaat gctccacaat ttcaacatac 120
cacaagagaa gttaatttct taacattgtg ttctatgatt atttgtaaga ccttcaccaa 180
gttctgatat cttttaaaga catagttcaa aattgctttt gaaaatctgt attcttgaaa 240
atatccttgt tgtgtattag gtttttaa ataccagctaaa ggattacctc actgagtcac 300
cagtaccctc ctattcagct cccaagatg atgtgttttt gcttacccta agagagggtt 360
tcttcttatt tttagataat tcaagtgcct agataaatta tgttttcttt aagtgtttat 420
ggtaaactct tttaaagaaa atttaatatg ttatagctga atcttttttg taactttaaa 480
tctttatcat agactctgta catatgttca aattagctgc ttgcctgatg tgtgtatcat 540
cgggtgggatg acagaacaaa catatttatg atcatgaata atgtgctttg taaaaagatt 600
tcaagttatt aggaagcata ctctgttttt taatcatgta taatattcca tgatactttt 660
atagaacaat tctggcttca ggaaagtcta gaagcaatat ttcttcaa ataaaanggggt 720
taaactttta aaaaaaaaaa aaaaa 745

```

<210> 1285

<211> 190

<212> DNA

<213> Homo sapiens

<400> 1285

```

cgacggtatc gataagcttg atatcgaatt cctgcagccc gggggatcca ctagttatta 60
atagtaatac attacggggg cattagttca tagcccatat atggagttcc gcgttacata 120
acttacggta aatggccgcc accgcggtgg agctccagct tttgttccct ttagtgaggg 180
ttaattgcgc 190

```

<210> 1286

<211> 153

<212> DNA

<213> Homo sapiens

<400> 1286

```

ctgcatcttt ctacaattct accagcaata tatgagggtt acaatttctc yccatctttg 60
tgaacgcttg ttagagtctg tctctttttc ttccattctg tgggttggct ttttactttc 120
taaattgtag aaccttcaaa gcacaaaggt ttt 153

```

<210> 1287

<211> 232

<212> DNA

<213> Homo sapiens

<400> 1287

```

aaaaacacaa aacactagaa cagttgctat gaaattactg ataatgatcc ctttaataaa 60
ctgcaattaa ccactaatat agaaattcaa ttttaagcaag aagttttata tattatactt 120
tacagaaaaa aataattttg aaaaagtaat gmcaaacaga gatcaaakat ttagggcatt 180
agttactgca ttctcttttt agaataataca ttaagtaaca ctagtaaaat tt 232

```

<210> 1288

<211> 90

<212> DNA

<213> Homo sapiens

<400> 1288

```

aaacttagtg actattttagt tcaattgytc atccattttt tatttgcttt tataattgcc 60
tccttgtttt ggtatattgt aaaataattt 90

```

<210> 1289

<211> 670

<212> DNA

<213> Homo sapiens

<400> 1289

```

aatcacaaa gtaaggcacc attggattaa acattttctcc tggctttttac taagtaaaat 60
gcatagttaa ataaataactg aacactgagt ttttaatactg taatacattt caatataaaa 120
taagaggtga atgttaaaat actgtattac atgttgaata catttatctg aaaatgttat 180
aaaaaaacac acatgtaagc tctgatttca gggaagaaaa attcattttt gtaattttcc 240
atagtttaag attttaccac agaacttatt catagtttta gatgcaatta ggttgcaaac 300
tttcaaagaa aggggtgtagg tgtattaatg aaacagtcac ttaaactacta cattctaaaa 360
caatctattc tggatgaatg gcaactttga gctatcaccc tgtttcagat ttagaacggg 420
acctgccaag ttcagatatg caaaggaatt gtccaattct tactaccctt tataaaattc 480
agactcactt tctctgagtc agacttttct ccgtcatatt ttctaggaag ggcaaattcc 540
atctttttgtg aaatgggtca ttaggcttta tcatagggat gtttttcact gttgaaatca 600
gataaaagaa tcccaaataa atgatgctgc taaattacca aactgctaga gattaaaaaa 660
attttttttt 670

```

<210> 1290

<211> 352

<212> DNA

<213> Homo sapiens

<400> 1290

```

aaacaatgct acacccattt ttggcaaagt gctgtattgt tcagtctgtg tacaaaactg 60
accatctatg aaccaatcag tataaaaaat ttctataaaa acaaaattta gacagtggct 120
caagaaaaca agctgccatt tatgcataga ttgatgtaca gtaacctaac caaatgtccc 180
ttttgaattt tcaagttact gaaaaaaaat gtgtcgagaa acacattaag aaggcacatg 240
tacagtctac aatactcttc agtctcccta actcatgccc tgcccctata aaggaaatat 300
gttcacaatt ttacttgaga aaaaaaaaca aagccactta aaaaaaaaaa aa 352

```

<210> 1291

<211> 99

<212> DNA

<213> Homo sapiens

<400> 1291

aaaaattatt taaggtaatg gtgttacgaa tggtttataaa atgtctggtg acttgcttat 60
 ttttaagtga tcaccattaa gtcagaaaaa tgtatTTTT 99

<210> 1292

<211> 295

<212> DNA

<213> Homo sapiens

<400> 1292

aaatatacct ttatttctca aactcaaagc tttatcaagt tctaacacat tttgcattga 60
 caagtgattt tatctgcac aagtaagggt agtgaccacc acgaaagagg aatccccaga 120
 cctcctaggc actaagaaat atttcaaagg ctatgcaaat atagaacaaa aagctttcaa 180
 tttagtctaa ttggtatcta tttttcatct atattaattt ggaaataagt tgctacctta 240
 gaaaaattac atttttatcc attaaaataa aacaccagat aggttgaggt ttttt 295

<210> 1293

<211> 256

<212> DNA

<213> Homo sapiens

<400> 1293

agattcactt caaagtgaag atgacaacac atctcaagaa actcaaagaa tcatactgtc 60
 aaagacaggg tgttccaatg aattcactca ggtttctctt tgagggtcag agaattgctg 120
 ataatcatat tccaaaggaa ctgggaatgg aggaagaaga tgtgattgaa gtttatcagg 180
 aacaaacggg gggtcattca acagtttaga tgttcttttt attttttttc ttttccctca 240
 atcctttttt attttt 256

<210> 1294

<211> 90

<212> DNA

<213> Homo sapiens

<400> 1294

aaaatactta gctttattaa agacatggta ctaaaaataa cagattccaa catttgctct 60
 atttctactt atatatcata aataagacag 90

<210> 1295

<211> 519

<212> DNA

<213> Homo sapiens

<400> 1295

ctgtcgcttt atcagtgcta tatttatctg gaatatagag gctcctttta ctgtttttta 60
 ggtgctttgt gctaaggatg aagatacaat tcctcagctc ttggtagact tttgggaagc 120
 tcagctagtg gcatgtctcc cagatgtggt acttcaggaa ctcttttttca aactcacatc 180
 acagtacatc tggagattgt ctaagaggca gcctcctgac accacaccat tgcgaacatc 240
 ggaggatctt attctcctgg tcattccttg gtagatattt ggaataaaat aatcacactg 300
 actgtgattg ggtagatcac attccatatt ctctgtgag tctcagaaga tgcttcattt 360
 tgtagaacgg tgtaagtggg ttccattcca gcatgaatgt ggtcgggtcac atggcagtg 420
 agtaaccaa ttccagggtg tcttggaac atttctaggg tttggtatgt tccagggaaa 480
 atgtcaaaga catcagaact ataaactccc ctgtgcttg 519

<210> 1296

<211> 419

<212> DNA
<213> Homo sapiens

<400> 1296

```

aaagcaaaca gcagaaacca gaagcttctg accctctaac atgtattact gtccaacca 60
ccatgagaag tatgttcact tggtgacaac aaagagactc cgtatcatat gtatgttaat 120
gaccagattg ttcatatggg atttttctta acagattatc aggttgagaa tgattctttt 180
tctccaaggg caagaaaaag ctggctaaat gctagttaat taaatccatt ctcaattttg 240
aactgtagag aagaacctga cttgaatgag attttctaaa ggaagacatt tcttgctcaa 300
cctcaggtat aattagatta taaggaatct cacgtccaga attttatctg ctgattgtta 360
gtatggtagg taattggcct taggacacta tttctactag aaccctttac attattttt 419

```

<210> 1297
<211> 199
<212> DNA
<213> Homo sapiens

<400> 1297

```

caggtctgaa gattttacat gcagatacca gataccttaa cttgtatttc tttagtcata 60
ttttggcttg gaagtttcct ctgttgctct tgctgaatcc ttcgctttac ctccattctt 120
aggtgctttg gagctggaag cagccttctt gcacttatcc tttgctgtgt tctgtgaggt 180
ttctgtagtg gagggacag

```

<210> 1298
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 437, 456, 467
<223> n = A,T,C or G

<400> 1298

```

aaatacactt gaaaagtaaa atgtttttct agcttttccc tcagggcgta acaccacacc 60
attcataaca atgctatttt ccaaagggtt caattagatt tcctcagaag catacctgaa 120
ctgttaatca ttacaactcc tttgtgaaac atgggactgg ttgattacc agtgtaatca 180
ctggctgaaa cctcagcaca ctgtttttca cccagtgga ggcagggttt cacctcccct 240
ctagctgtac ccctctctta atgcccatat tagagaactg tgatcttctt tctccactag 300
aaatgttcac tttcatcagg taagggataa aacaaaaaca agagacagaa gatcttaaaa 360
aaaaaaatag taatagggca agtaaaactca gtgagggttag aggaatttgt ttgggggggca 420
ttctatgttg ttagytncat atcatgttca gtttgntggg tctaganccc tctgaaatgc 480
atta

```

<210> 1299
<211> 419
<212> DNA
<213> Homo sapiens

<400> 1299

```

aaagtccatc tttgcaaatt atacgttgct ataaatacat tgtgtatttg gcattatgtg 60
aatttgttta atccagtgtc aattgtctaa tgggtctaaag tgtccatttg aagttataat 120
ctggatgaac tgaacaataa gagaagtttt cttcattagc ccaattgttt atcactcaat 180
tcctactcct gcccatggtt tcttccacct tcctctggag aacataaaga gattctagat 240

```

```

ctctgtataa ggtgggtttgc tttagcttga aatcatcagt gaggattata catgggcaat 300
gtccagaaat cacattattg ctcatagacc gtgtagtctt gatctaacgg ataactgtac 360
attgtcttca ctaagaagct aggggtggttgc tccttgatat tgggacattg tagacttgg 419

```

<210> 1300

<211> 182

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 3, 5

<223> n = A,T,C or G

<400> 1300

```

ccntngaatt gtgtgcatag ggaagcactc acccaatgag actttctcca atgtggactc 60
tgtgtgtcag ggaatgaatg tagaaaaatt cactttggag ggttatcac tcaactagta 120
agaagcatta atattattaa agtgaagaaa ctgcagagaa aattacagaa caaaactgta 180
gg                                                    182

```

<210> 1301

<211> 312

<212> DNA

<213> Homo sapiens

<400> 1301

```

aaagttttta tctctgctga ggcttcacat ctgtttgctc aattttatatt ttatttcaat 60
ccttgagcat gtttataata tagtagtacc cccttattgt ggctttactt tcctcacttt 120
cagtcaccca cagtcaaaaa atatgaaata taaaactcca gaagtaaaca gtttataaat 180
tttaagtcac actttgttct gaggaatgtg atgcaacctc ccgccattct gctgtatcca 240
gttcaggatg tgacataccc ctttgctcag cagatacaca attcctgctt cctgctcatt 300
agacatttgc ag                                                    312

```

<210> 1302

<211> 109

<212> DNA

<213> Homo sapiens

<400> 1302

```

attcttagat tatatgtgtc catctttgca gctttctgag agtaatttta tttgttgtct 60
tctgaaatgt acatgtatac atgtacctac tgagtgtctat gtgattttt 109

```

<210> 1303

<211> 330

<212> DNA

<213> Homo sapiens

<400> 1303

```

ccagagttac ttggatcagc atttaggaaa gtaaaatata gtggaagtaa aactgactca 60
tccaactaga cattctacag aaagaaaaat gcattattga cgaactggct acagtaccat 120
gcctctcagc cagcccgtgt gtataatatg aagaccaaata gatagaactg tactgttttc 180
tgggccagtg agccagaaat tgattaaggc tttcttttgg aggtaaatct agagtttata 240
cagtgtacat gtacatagta aagtattttt gattaacaat gtatttttaac aacatatcta 300
aagtcatcat gaactggcct gtacattttt 330

```


<210> 1304
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 1304
 ccactgtagt ctgcatatcc ctgtccatat ccatagttcc catagttata cccagtataa 60
 tcatatccgc catagccact atagttttga tcaccacccat aggcactatt gtaatttcca 120
 tatecttgat cataatagtt attaaatcct tggttccagt tttggccctg 170

<210> 1305
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 1305
 aaaaataaat atttatactc cagcttttgt gtattttggtg tacatcacca cttatgcaaa 60
 tcaaggatca gaaaactgga ggtagccat ctccattatt tccttttgca cattgggtac 120
 agtgggtggc attagtatgc actagctgca aagtcacagc accttatgga aataagtatg 180
 tttattataa taataaaaaag ttaagctgca tctctgtaga ttatttactt tgcagactgt 240
 aaagctgccc tatcttttcc agcagaattt actcttccat tcttaattct tttttgaaat 300
 atcttaataa atttaacatt cctttataac ttcttaacag tgtcaaaaact ggggtagaag 360
 ggatttttatt ttttcccaaa agggttccat ctttgctatc tgttgatcag ccttagaaaa 420
 tctaagtatg atcaataaat tttaatgggt gatggcatcc tgtgtcag 468

<210> 1306
 <211> 326
 <212> DNA
 <213> Homo sapiens

<400> 1306
 tggtaaagaa ctacctgtta atgcacaaaa ctatgtgcga tttattgaag atgagcttca 60
 aattccagtt aagtggattg gtgttggtta atccagagaa tctatgattc aactctttta 120
 atgattgcca gtaatgcaag aaacactcct tgagagggag gggaaaagac tttcttaaat 180
 atttcattta tgacctgcaa attcaagaat aaagacactg aagtaagttt gaagccctac 240
 agytgtttcc agtcttttca gatggatgcc tactgtggag attaactttg gcatattcca 300
 gtgtcagctt tctttagctg gaattg 326

<210> 1307
 <211> 614
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 294, 442, 458, 465, 580, 592, 609
 <223> n = A,T,C or G

<400> 1307
 aaaaattatt actgtaagaa atagttttat aaaaattat atttttattc agtaatttaa 60
 ttttgtaaat gccaaatgaa aaacgttttt tgctgctatg gtcttagcct gtagacatgc 120
 tgctagtatc agagggggcag tagagcttgg acagaaagaa aagaaacttg gtgttaggta 180
 attgactatg cactagtact tcagactttt taattttata tatatataca ttttttttcc 240

```

ttctgcaata catttgaaaa cttgtttggg agactctgca ttttttattg cggntttttt 300
gttattgttg gtttatacaa gcatgcgttg cacttctttt ttgggagatg cgygtytgyt 360
gatgttctat gttttgtttt gagtgtaggc tgactgtttt ataatttggg gagttctgca 420
tttgatccgc atcccctgtg gnttctaaag gggatggnc tcagnaactg ttgcatggat 480
cctgtgtttg caactgggga ggacagaaac tgggggtgat agccagtcct gccttaagaa 540
catttgatgc aaagaatggg accctgcccc ggggccgggn cccctccgaa anggggggga 600
aatcccang cacc 614

```

<210> 1308

<211> 304

<212> DNA

<213> Homo sapiens

<400> 1308

```

ctgtcttttg gaggacgtac gtaataaggt tttaatttag taaaccaatc ctatgcatag 60
tttcagcact agccaaacct caccaactcc tagttctaga aaaacaggca cttggcagcc 120
ttgtgatgtc atacagagaa gtcacaggca gtacctgagg gtctgtaggt tgcacacttt 180
ggtaccagat aacttttttt ttctttataa gaaagcctga gtactccaca ctgcacaata 240
actcctccca gggttttaac tttgttttat tttcaaaacc aggtccaatg agctttctga 300
gcag 304

```

<210> 1309

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1309

```

gggatttcca attaacagta ttaccagata aatattcttg gtccaagcag aaaatatcaa 60
caaaaagagc cttcttctcc tgtaaatctt aaatgcctac atcactcttt atgatacatg 120
gatcatctta tgtggatact taaatttttc atgtctgctt cttttgcctc tcccaactat 180
actatgagga aattcggaac aaagacattt ttgtaatat tcttatctcc ttcacaccta 240
gtatagagct gattttacaa aggcatthaa gagatatattg aattgattt 289

```

<210> 1310

<211> 534

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 480, 490

<223> n = A,T,C or G

<400> 1310

```

tgctttgcat tttctgatgt attacatgac tgtttctttt gtaaagagaa tcaactaggt 60
atttaagact gataatttta caatttatat gcttcacata gcatgtcaac ttttgactaa 120
gaattttgtt ttactttttt aacatgtgtt aaacagagaa aggggtccatg aaggaaagtg 180
tatgagttgc atttgtaaaa atgagacttt ttcagtggaa ctctaaacct tgtgatgact 240
actaacaat gtaaaattat gagtgattaa gaaaacattg ctttgtgggt atcactttaa 300
gytttgacac ctagattata gtcttagtaa tagcatccac tggaaaagggt gaaaatgttt 360
tattcagcat ttaacttaca tttgtacttt agagtatttt tgtataaaat ccatagattt 420
atthttacatt tagagtattt acactattga taaagtthgt aaataatttt ctaagacagn 480
ttttatatan gctacagggt gccctgattt tcttattgaa tttggttaga ctag 534

```

<210> 1311
 <211> 114
 <212> DNA
 <213> Homo sapiens

<400> 1311
 aaaatttgta ggagttgtag actacctaaa tttttaagtt atggyatttg gtcatagggt 60
 gactgggtag gtaaagaagg aaacagacaa gaaaatggct tcttgagggtg gcag 114

<210> 1312
 <211> 95
 <212> DNA
 <213> Homo sapiens

<400> 1312
 gggcgggtaa aggtaggccg cgagagcgag gttaggagag gataggaggc cgcagtactg 60
 ctcacacgct ccgctcttct cccactctcg actct 95

<210> 1313
 <211> 519
 <212> DNA
 <213> Homo sapiens

<400> 1313
 aaatgataca gtatttttagg tatgatttaa gactatgatt tacctataca ttatatatat 60
 tttataaaga tactaaacca gcataccctt actctgccag agtagtgaag ctaattaaac 120
 acgttttggtt tctgaataaa ttgaactaaa tccaaactat ttcctaaaat cacaggacat 180
 taaggaccaa tagcatctgt gccagagatg tactgttatt agctgggaag accaattcta 240
 acagcaaata acagtctgag actcctcata cctcagtggg tagaagcatg tctctcttga 300
 gctacagtag aggggaaggg attggtgtgt agtcaagtca ccatgctgaa tgtacactga 360
 ttccttttatg atgactgctt aactccccac tgcctgtccc agagaggctt tccaatgtag 420
 ctcagtaatt cctgttactt tacagacagg aaagttccag aaactttaag aacaaactct 480
 gaaagaccta tgagcaaata ggctgaatac tttttttttt 519

<210> 1314
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 247, 270, 329, 357, 419, 440, 498
 <223> n = A,T,C or G

<400> 1314
 ccatggtggg tgaagacgct gatctgccct gtcacctggg gtttttttatg agtgcagaga 60
 ccaggagct gaggaaccc gagytccagc ctaaggcagg tgggtgaacgt gtatgcagat 120
 ggaaaggaag tggaagacag gcagagtgca ccgtatcgag ggagaacttc gattctgcgg 180
 gatggcatca ctgcaggga ggctgctctc cgaatacaca acgtcacagc ctctgacagt 240
 ggaaagnact tgtgttatth ccaagatggn gacttctacg aaaaagccct ggtggagctg 300
 aaggttgtag gtgagcctcc aggttttgnr ctgagaacac ttctctgtag gatctanagc 360
 agatgcagag tccctcttcc aaaagtactg cagacactcc tggctgctca ctagcaatng 420
 tctgcactgc ctcccaactn agcttctctg caacccttaa gaaagacaca ttctttcttt 480
 agaaagaatt cctgctgnac cttacatgcc gaagtaaa 518

<210> 1315
 <211> 360
 <212> DNA
 <213> Homo sapiens

<400> 1315
 tctgtgcatc caatttatta tagwtttgta agtaacaata tgtaatcaaa cttctaggtg 60
 acttgagagt ggaacctcct atatcattat ttagcacctg ttgtgacagt aaccatttca 120
 gtgtattggt tattatacca cttatatcaa cttatttttc accagkataa watcttratt 180
 tytacgacct atcattctga atcaagmaca ctgtatgttc agtaggttga actatgaaca 240
 ctgtcatcaa tgttcagttc aaaagcctga aagtttagat ctagaagctg gtaaaaatga 300
 caatatcaat cacattaggg gaaccattgt tgtcttcact taatccattt agcactattt 360

<210> 1316
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 1316
 aaaaaacacg tttgttatta ccaaawagag acggcttttag gtaaaaataa taaaaaccct 60
 ttgcttgyat tacytatgca ratagttsta tttatctggw cwacgggyta aaggyacagy 120
 actataggwc tctggcttga gtmtttacgt tcatttctta ttgctggaat ktcataatttc 180
 ttcttggttg atgactaaac cggatgatgg tagagatggg aagccggcat ttactcagcc 240
 ccgccctgct cagcctcggg agcggacgaa ttctcag 277

<210> 1317
 <211> 716
 <212> DNA
 <213> Homo sapiens

<400> 1317
 aaaatgttct cttgagacta gtaggcatag aagaaagcag aaggaaaata aatagaaaga 60
 aggtcttcta ccttcatggc tattcaggct caggaggggt gagagaaaaa gaaggaggac 120
 aatgaacaa gacagatgag ggagacatcc tctctgatat aagatacagt cctctctggt 180
 ggatggagtc caatttgtgt aacttcctat gtattttcct agataggacc accactattt 240
 gagaaaatat ctactggta acctaaagcc aaggataata aaccttgata tacttaacat 300
 tcaatttctt tccagcaatg tgataaataa atctatcttg tgtttctctt gcagattgta 360
 aaagcattag aacatttaca tagtaagctg tctgtcattc acagaggtaa gcatccatga 420
 gctgccttgg ctgttccttt gataaagttc atctctttca cctggagtcc gtctctaccc 480
 ccagtcctcc atgggtggaa gtagaattga ctcaggcaag agaactaagg ggctttcctt 540
 tgagattgga tagcaaacca tataagtagt attccttata atggctgagg acataagaag 600
 aagacgtgat ctttgtctta catccaaatt gaataataac acttggtagc aagcagagct 660
 atgagatcat atcattgaga attttagaga atatgataaa aattgatctt gtctgg 716

<210> 1318
 <211> 515
 <212> DNA
 <213> Homo sapiens

<400> 1318
 aaagctgtat catgttgagt aaacctgacc tgagccagcg gtttaaggcg attttgctcg 60
 atgaaggtca agacgtgaac ccggtcattg ccgacttggt aaggatacag cgcactctgca 120

```

aagtaaccgt cggcgaccct caccagcaga tttaccgttt ccgtggtgcc gaagacgctc 180
tcaacagcga ttggatggcc gatgcagagc gtcactacct gacccagagc ttctgcttcg 240
gtccagcagt cgcgcatgtg gctaacatca tactttttta caagggtgaa actcgaaagc 300
tgcaaggggt aggcccaaaa acccagggtta aacgtgcgct tcctgaagac ctaccgcatc 360
gcacatacat ccatcgcacg gttaccggcg tcatagagaa cgcgcttagc ttggtagcga 420
gcaatccaaa gatctattgg gtaggtggca tcgacagtta ttcattgcgc gacctggaag 480
acttgatatc gttcagccgc aacaaaaacc aagcc 515

```

<210> 1319

<211> 141

<212> DNA

<213> Homo sapiens

<400> 1319

```

aaatttagtg tctcatttgg aaataaactc tgggcctatt agttgttgag tatttttttt 60
ttttactacc taaaaaaaga tttgttaaga gctgaattac aacttagcat tacataatat 120
aaaacactgt aatgtgtatt t 141

```

<210> 1320

<211> 497

<212> DNA

<213> Homo sapiens

<400> 1320

```

aaattcagtc ctaagaaaga ggagtgttg tcccctaagg gtgtttaatg gcaaggcagc 60
cctgtctgaa ggacacttcc tgcctaaggg agagtggat ttgcagacta gaattctagt 120
gctgctgaag atgaatcaat gggaaatact actcctgtaa ttcctacctc cctgcaacca 180
actacaacca agctctctgc atctactccc aagtatgggg ttcaagagag taatggggtt 240
catatttctt atcaccacag taagtcccta ctaggcaaaa tgagagggca gtgtttcctt 300
tttggtactt attactgcta agtatttccc agcacatgaa accttatttt ttcccaaagc 360
cagaaccaga tgagtaaagg agtaagaacc ttgcctgaac atccttcctt cccacccatc 420
gctgtgtgtt agttcccaac atcgaatgtg tacaacttaa gttggtcctt tacactcagg 480
ctttcactat ttccttt 497

```

<210> 1321

<211> 344

<212> DNA

<213> Homo sapiens

<400> 1321

```

ctgtccaatg acaacaggac cctcactcta ctcaagtgtca caaggaatga tgtaggaccc 60
tatgagtgtg gaatccagaa cgaattaagt gttgaccaca gcgacccagt catcctgaat 120
gtcctctatg gccagacga cccacacatt tccccctcat acacctatta ccgtccaggg 180
gtgaacctca gcctctcctg ccatgcagcc tctaaccac ctgcacagta ttcttggtg 240
attgatggga acatccagca acacacacaa gagctcttta tctccaacat cactgagaag 300
aacagcggac tctatacctg ccaggccaat aactcagcca gtgg 344

```

<210> 1322

<211> 110

<212> DNA

<213> Homo sapiens

<400> 1322

```

ccaccacata gccagccagg aatcccttga ggaacgggga ggacaacagc gagccaccct 60

```

ggcccactcc actgttgact tcgtcttcta cacgccgctg caggctttcc

110

<210> 1323

<211> 359

<212> DNA

<213> Homo sapiens

<400> 1323

ccacgtctgct	ggcctgggct	ggcgtctcct	gctgtgagct	ggctgaggag	gacttcctgg	60
cggtctcccc	cttagatccg	cgctatcgctg	aggccacta	tgtcctgctg	gatccttcct	120
gcagtggctc	gggtgagatg	gtgagaaggc	gtggctgagg	gactcagagg	tccacagcag	180
cttagacctg	gagtcactctg	ttttgggtctt	agttctgaca	ctttaatggg	cttgggaccc	240
tggagcaaaa	gttctcctct	gtgaagcgag	gatttcagga	gcgaggattt	caggactgag	300
gcagcctgtg	aagctgtgta	accgagacac	gcttttcctt	aggtatgccg	agcagacag	359

<210> 1324

<211> 258

<212> DNA

<213> Homo sapiens

<400> 1324

caatcacaca	accacaaaaa	agatactgtg	tgctctcact	ttccaaaatt	ctgcctgggc	60
tmctcctgag	gaaagyagtg	atatggtagc	tggtgtggat	cccctaaagg	aattataaga	120
tggartgyga	rgaacattat	cttagactat	aakactgkct	gcatrcrgat	atgktstcra	180
agattattcc	tgctgcraat	aaagakmttg	skaaagagca	rtatasagct	atcacagtct	240
attgacccam	asatgttt					258

<210> 1325

<211> 534

<212> DNA

<213> Homo sapiens

<400> 1325

ctgtccaatg	gcaacaggac	cctcactcta	ttcaatgtca	caagaaatga	cacagcaagc	60
tacaaatgtg	aaacccagaa	cccagttagt	gccaggcgca	gtgattcagt	catcctgaat	120
gtcctctatg	gcccggatgc	ccccaccatt	tcccctctaa	acacatctta	cagatcaggg	180
gaaaatctga	acctctcctg	ccacgcagcc	tctaaccac	ctgcacagta	ctcttggttt	240
gtcaatggga	ctttccagca	atccacccaa	gagctcttta	tccccaacat	cactgtgaat	300
aatagtggat	cctatacgtg	ccaagcccat	aactcagaca	ctggcctcaa	taggaccaca	360
gtcacgacga	tcacagtcta	tgcagagcca	cccaaaccct	tcataccag	caacaactcc	420
aaccccgtgg	aggatgagga	tgctgtagcc	ttaacctgtg	aacctgagat	tcagaacaca	480
acctacctgt	ggtgggtaaa	taatcagagc	ctcccgggtca	gtcccaggct	gcag	534

<210> 1326

<211> 177

<212> DNA

<213> Homo sapiens

<400> 1326

ctgcattatg	tgtgttttaga	acgagaagtt	gtttgtacag	tatttttcta	ttgaccgctt	60
ccgtcttgcc	tgaaacctgg	gcattctttc	caatagacag	aaaatcagag	agtcaaactct	120
gatgcgcaat	gagttgttct	gagaccagta	atccacgggtg	ctgcaatttg	ggttttt	177

<210> 1327

<211> 266
 <212> DNA
 <213> Homo sapiens

<400> 1327
 aaacttgttt tatctaatac tgagcactgt ttttttgtca agtatttttt taagaccaca 60
 taattctttt tgtctgctca aggaaaggat agataaataa ttggcacaca tttgtttctc 120
 actgaatttt acagtagtaa attaatgtta taatgtacca catggagatg agttggtaag 180
 aaatcatcta gttccagagc ccagggatta taaacagtag gtgaaataga tttatgactt 240
 acgaaatatg ttgtgacaat atattt 266

<210> 1328
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 1328
 ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc 60
 tatgtatgtg gaatccagaa ctcaagtgtg gcaaaccgca gtgacccagt caccctggat 120
 gtcctctatg ggccggacac ccccatcatt tcccccccag actcgtctta cctttcggga 180
 gcgaacctca acctctcttg ccaactcgcc tctaaccat cccgcagta ttcttggcgt 240
 atcaatggga taccgcagca acacacacaa gttctcttta tcgccaaaat cacgccaaat 300
 aataacggga cctatgcctg ttttgtctct aacttggcta ctggccgcaa taatcccata 360
 gtcaagagca tcacagtctc tgcactctga acttctctct gtctctcag 409

<210> 1329
 <211> 136
 <212> DNA
 <213> Homo sapiens

<400> 1329
 ccattttcgc acagtccacc ataaaattga aaagattgac cagagacaga tcatggaggg 60
 cttggcaatc tgtactgatg aagccatgga ccagaagaga agtgagtcaa tgaagagagt 120
 ttctcttttc acatgg 136

<210> 1330
 <211> 311
 <212> DNA
 <213> Homo sapiens

<400> 1330
 ctgctaacag ccctaacggt gcaacacaag tacaaactca ggaacctctt cgactgccac 60
 gcccttcacc aacagaagga agacagtggc gccaccacaa gtggcagggc acaggggctt 120
 ctgtgacaac aatatgtcct tctagtatac attcattgca aaggctgccc tgaagtttcg 180
 tttttggaaa taactgttat catacathtt gtatgatgtt gcttgtgggc accatgaaga 240
 gagcctggct gtaaaggaca gagggagcta aaccaacaat gcatggccct gcgtgcccac 300
 aagagggagc c 311

<210> 1331
 <211> 613
 <212> DNA
 <213> Homo sapiens

<400> 1331

```

ctgggccakg agctgtgccc ggtgcctgca gccttcataa gcacacacgt ccattcccta 60
ctaaggccca gacctcctgg tatctgcccc gggctccctc atcccacctc catccggagt 120
tgcccaagat gcatgtccag cataggcagg attgctcggg ggtgagaagg ttaggtccgg 180
ctcagactga ataagaagag ataaaatttg ccttaaaact tacctggcag tggctttgct 240
gcacgggtctg aaaccacctg ttcccaccct cttgaccgaa atttccttgt gacacagaga 300
agggcaaagg tctgagccca gagttgacgg agggagtatt tcagggttca cttcaggggc 360
tcccaaagcg acaagatcgt tagggagaga ggcccagggt ggggactggg aatttaagga 420
gagctgggaa cggatccctt aggttcagga agcttctgtg caagctgcga ggatggcttg 480
ggccgaaggg ttgctctgcc cgccgcgcta gctgtgagct gagcaaagcc ctgggctcac 540
agcaccceaa aagcctgtgg ctteagtcct gcgtctgcac cacacaatca aaaggatcgt 600
tttgttttgt ttt 613

```

<210> 1332

<211> 591

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 10

<223> n = A,T,C or G

<400> 1332

```

ctgagttaan atggtaaagc caatattatt ttaggaggaa agaggacgaa ggccaatgaa 60
ccaacatctg cctgctatct ggtgcatcac ccaagggtgac caatggctgg gcacaaataa 120
acttctcttt tgctagccac agagttgctc actgtggcaa gcctgagctg gtcagaacac 180
ctgtgtgtgt gttcctgata cacactaacc acaataagca agtctgcaca catctctatg 240
agccccatgc aaagacaaga cattcccaaa gatcagtcac tagagtgcga caacgaaatt 300
caagatttga ccaaaacaga cctgctgccc tcctaaattg ccaattgcct ctcaaaaact 360
tacagaaaaa gggacattat aagaattcat agaggagag aagaaaaagc tgctactcct 420
agtcattagt acaatgtgct gtgttaatta gatacctcta tataaattag aaaaagtgtc 480
ttacttgcac gcttcaataa aatgaatact gagtgcgta gtgttagatc tgtacagata 540
taaatttttt gcagctatat aaaagtgtat aagatgggct tttgcatttt a 591

```

<210> 1333

<211> 379

<212> DNA

<213> Homo sapiens

<400> 1333

```

ctggtacaaa ggcgaaagag tggatggcaa cagtctaatt gtaggatatg taataggaac 60
tcaacaagct accccagggc ccgcatgcag tggtcgagag acaatatacc ccaatgcac 120
cctgctgac cagaacgtca ccagaatga cacaggattc tataccctac aagtcataaa 180
gtcagatctt gtgaatgaag aagcaaccgg acagttccat gtatacccg agctgcccaa 240
gccctccatc tccagcaaca actccaaccc cgtggaggac aaggatgctg tggccttcac 300
ctgtgaacct gaggtcaga acacaaccta cctgtgggtg gtaaattggc agagcctccc 360
agtcagtcac aggctgcag 379

```

<210> 1334

<211> 384

<212> DNA

<213> Homo sapiens

<400> 1334

```

aaaccatttg tacaaaactt ctataaattt ttctctctct ttctctctta tgtacaaaaa 60
tatcttaata tatccccgaa ctgggttagga tagatacaaa tagatttttt ataataaaaa 120
attcacaaaa gattggaagc attctataat gaaaatggta gaaaagacag tgtgagggaa 180
gccatggggg ttgggaatcg ggccctggag gagaagcaga gtttcaaagg gctgagaata 240
gcatagtttc actgtaaacc aatgtctaca gcttattggg gtgggggcta ctgagacgaa 300
agacaccaac tcgtttctag agggctaaga actgcacttt aagaaagggc ggggaggtga 360
agggacccga gcaagaactt tcag                                     384

```

<210> 1335

<211> 555

<212> DNA

<213> Homo sapiens

<400> 1335

```

aaattagttg ctataaattc atcaataactt tttttcccta ttatatTTTT ggttctatta 60
ggatttactt aactgaatct tataacaatt cgagggtgaac tgtggcaatg aaaaccagaa 120
acagttaatg agatgcttca gctcacagtt tgaagtgctg agaacctaa gtttttgctg 180
tacggtactg agctgtacca aaatatgatg gtttaggttt atgtgcaaga ctttgtgttg 240
tagtctagac aaaggggttg gcaagagaca tgcaaagctg aagccctgct tgaaaagacc 300
cttcaaggaa gtaaaatggc aggggcagag tgcagcttaa catgttgcta tccctgttgt 360
ttttgagttg gttttggaat ggattcaagt tcttacacaa tttattttga atacaagcat 420
aatctaggtg atttgagtta atgaacttct tttcatgatg tagggaaagc tgaatgtata 480
tatttctaag aagaatttgt ttagcagatt acaagttggc aaaatagact gttcacagaa 540
actaggcaaa aattt                                     555

```

<210> 1336

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1336

```

cctggaaaga agcccagcaa aaggttccag atgaagaaga aaatgaagag agtgacaacg 60
aaaaggaaac tgaaaagagt gactccgtaa cagattctgg accaaccttc aactatcttc 120
ttgatatgcc cttttggtat ttaaccaagg aaaagaaaga tgaactctgc aggctaagaa 180
atgaaaaaga acaagagctg gacacattaa aaagaaagag tccatcagat ttgtggaaag 240
aagacttggc tacattttatt gaagaattgg aggctgttga agccaaggaa aaacaagatg 300
aacaagtcgg acttcctggg aaagggggga aggccaagg gaaaaaaca caaatggctg 360
aagttttgcc ttctccgcgt ggtcaaagag tcattccacg aataaccata gaaatgaaag 420
cagaggcaga aargaaaaat aaaaagaaaa ttaagaatga aaatactgaa ggaagccctc 480
aagaagatgg tgtggaacta gaagg                                     505

```

<210> 1337

<211> 385

<212> DNA

<213> Homo sapiens

<400> 1337

```

ctggtgctag tcagagctaa tgacagaatt tcagtttaat aaaaagaccc ccaactgagc 60
acaccatctt gaaaaaagta tacttatcaa acagctttca atcagttcaa gagagacacc 120
ttaattgggg agaggaagaa ttgcagagta gtttgtaatc atgccaatc cagatcaata 180
actgcatgtc tgttctttgg tagaaatagc ttttgcttta tattaagtaa tcacatatat 240
attctctcta tttggataag gaaaccttcg ctttatttga caatgtataa tgatatactc 300
ttctaattca cctctgtgtc ttcacaataa acatgagtaa aatttagaca agtgatggta 360
aaggtcaata taattattta ttttt                                     385

```

<210> 1338
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 1338
 aaaggtgata ttacacaaaa cctcgtcttt tgttcaactt tggatccatt ggcaattcaa 60
 tggcctcaat ctccccaac tcgccaagt actccctgat ctttctctca gtggcttcag 120
 gattcagacc cccaacgaag attttcttca ccgggtcctt cttcatagcc atggcctttt 180
 tagggtcaat gacacggcca tccagcctgt gctccttctg gtctaggacc ttctccacac 240
 tggctgcac tttgaacagg ataaacccaa accctcttga ccgtccagtg ttgggatcca 300
 tttttattgt acagtcaacg acctctccaa atttagtaaa atagtctttt 350

<210> 1339
 <211> 443
 <212> DNA
 <213> Homo sapiens

<400> 1339
 ctgctcctct agtaataagt tcctggggat aatacattaa ccaacattgg ttgaaacata 60
 cctgagtaat catatcagga tgcattgtta gctgataaaa caataagatc ccaaaatgca 120
 gtagctcaaa aaaagtagaa gttaatttat ctctggggg acagctctgg ttctcaaatt 180
 ttacaggctc agaatcacct gcagggcttg tgaaagtaca gattgctgct ctccgcccc 240
 agagtctctg atttagtagg tgtaggctg aaccaagaat ttgcctttct aacaagctcc 300
 caagtgatgc tgatgacttg taggaatgga ttacttcta ggattagact tcagctcact 360
 ctgtttgctg aactctttct aatatttctt aagttggtag actcyctgct ccaggttctc 420
 aacgtgaagg aaggaacccc cag 443

<210> 1340
 <211> 273
 <212> DNA
 <213> Homo sapiens

<400> 1340
 cctcaggaac aggtaggggc agcagaatag aatagcatcc atttcccaga gaaagactgc 60
 ctttacatkt cccatgcttt tagcaciaag cagcgtctgg gccactgtta ccagaggtga 120
 gtttatacat ttacaaaatg cttaaaatct ttgggaagca agaggaagct aaacagaagg 180
 tcccatgtta actgaaggca aattcactca acctctctag taagggaccc atgggcctac 240
 agagtgttcc ctctacaatg tgcagagtgg aaa 273

<210> 1341
 <211> 561
 <212> DNA
 <213> Homo sapiens

<400> 1341
 ccatggggccc gggtcacgaac aaaacggggc tggacgcctc gcccttggcc gcagatacct 60
 cctactacca ggggtgttac tcccggccca ttatgaactc ctcttaagaa gacgacggct 120
 tcaggcccg gtaactctgg caccgcggat cgaggacaag tgagagagca agtgggggtc 180
 gagacttttg ggagacggtg ttgcagagac gcaagggaga agaaatccat aacaccccca 240
 ccccaacacc gccaaagacag cagtcttctt caccgcgtgc agccgttccg tcccaaacag 300
 agggccacac agatacccca cgttctatat aaggaggaaa acgggaaaga atataaagtt 360
 aaaaaaagc ctccgggttc cactactgtg tagactcctg cttcttcaag cacctgcaga 420

ttctgatttt tttgttggtg ttgttctcct ccattgctgt tgttgccagg aagtcttact 480
 taaaaaaaaa aaaaaatttt gtgagtgact cgggtgtaaaa ccatgtagtt ttaacagAAC 540
 cagaggggtg tactattgtt t 561

<210> 1342

<211> 159

<212> DNA

<213> Homo sapiens

<400> 1342

aaagatggca aggcaataaa tgtgttcgta agtgccaacc gactaattca tcaaaccaac 60
 ttaatacttc agaccttcaa aactgtggcc tgaaagttgt atatgttaag agatgtactt 120
 ctcaagtggca gtattgaact gcctttatct gttaaatttt 159

<210> 1343

<211> 76

<212> DNA

<213> Homo sapiens

<400> 1343

aaaatgtaaa gccaatctat caccaaaaat ggcataaatg taaacacaag ctaattttat 60
 aatccactgc tatattt 76

<210> 1344

<211> 726

<212> DNA

<213> Homo sapiens

<400> 1344

caaaagcagc ctgaatacgc aactcacgcc aagagggcag cagctctcct gacatccatg 60
 taagaaggct aacacctaAA ccacacgcag gcatcctgaa ctCagcagct ctgatccaag 120
 gtactgagtg gagacaaagc actcggaggt ggcaagatgt tcagcaacca agtaagacac 180
 actggcaagg catcccaccc aaagggtgaga agcacaaagc aggcttgag aaacaaacag 240
 tcatgccagg tgcagccaga catcctgcta taagccctga ccctagtacc ccgagttcat 300
 caagtgcctc gggttttgtgt ccataaagca cagagggcac tgaccacccc aaaccagaat 360
 cccaaggaat ccttatggat ggcatagggc ctCagaactg ctgcaggatc attttccttt 420
 tcaggtcgtg gctgaacttg ttcaccccta agagctcact gtcataaaat gcagagaggt 480
 tgtggatgtt gatctgacga gccttatcca ccaagtcctt mtcagggacc tcaatagtgt 540
 cctgctgggc cccaaagcgg ttgCGctgat atgtcacstg ctctgccact aactgcttca 600
 gtatgaagag caacagctca ttgttgtcac gccggaatga aaggtagcgg gcaaaagtct 660
 tgcgcagtgt gcgcagtacg ctgaacttct gtgtgtctat gaagstctcc akmatcayga 720
 gratgg 726

<210> 1345

<211> 742

<212> DNA

<213> Homo sapiens

<400> 1345

ccagagagcc ctgtcctgtg aggggtggta tcacagtggc agggttcaat tcagaagacc 60
 ttgagggcag gctgatgttt cctgaatggg cccctgggtg ttgcttgctc ctgactctcc 120
 atttcccat ctgagtggat ttggacctaa tagggcactg gagctgggtc gaatcctgac 180
 tggactactt ggcaacttta tgtctgggag caagttactt aacctccca agcctgtgtc 240
 tgtgaaatgc gggtaaatga atgtagatgt ttggcagcag ctactccttg ttgagctctc 300

```

acagtgaact ctectgcctc tgccctcctt ccccgccctcc cctgggtgcct agcgtcaggt 360
ctagccactt cctcctgggc ccctctccct tttctgtggc tggctgcctg cccgcctggc 420
gctggacctt tcatgtaacg ggaatcagca tgtatatctt ggtctgggtct gtttctacac 480
ttaattttgt ttccagtagt atttccctgt accggcagag ttcacaaaca catttgaaga 540
ggctttttct caggattctt aaccttccaa aggaagtccc atggatgggt ttctagaagt 600
ctataaatgc tctgaaattg tatttttctg tggaaaagca taacttttat ctgcttggtc 660
gtgctcaaaa aaagatcatg aatggaatga attgcattga attttatgcc attgggggct 720
taataactaaa aggatatgga ag                                     742

```

<210> 1346

<211> 573

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 498, 543

<223> n = A,T,C or G

<400> 1346

```

aaatgcattk ttaactttaca gtatttttcaa cttacgatgt gtttatcasg aagtaacccc 60
atcataagca gaggagcatc tgtattgcgt aatttgactg gcacagttta ttaggttctg 120
ttcagtgwtt tccgtcaaca agatgtttat tgtgtgagta aacaagttaa gccctgtgac 180
aagctgaata agaatagtct ctectcagca gcttatagta aacaagggtgta gtaatcctta 240
cattagtggc tagactatca aacgaaatat ataacatgta agaacactaa agacagaatt 300
actgtggcat agagatagtt agaattgctt cagcctaaga gatgaattag gtaatgcaag 360
gaggtgaata tgttggcctg caatatgaac aaggcagaga gctgggagag taagatgtaa 420
gttgctaagg agggatgtgt cttgagtttg gaaaccataa agggaaatca taggtaatgc 480
tagagtcact gatcttangg agccttgaat aacgggtgatg actaagggaa tctttatttt 540
gnggggacta ttggaattaa attggccaga att                                     573

```

<210> 1347

<211> 333

<212> DNA

<213> Homo sapiens

<400> 1347

```

cctggtttct ggtggcctct atgaatccca tgtaggggtgc agaccgtact ccatccctcc 60
ctgtgagcac cacgtcaacg gtcctccggcc cccatgcacg ggggagggag atacccccaa 120
gtgtagcaag atctgtgagc ctggctacag cccgacctac aaacaggaca agcactacgg 180
atacaattcc tacagcgtct ccaatagcga gaaggacatc atggccgaga tctacaaaaa 240
cggccccgtg gagggagctt tctctgtgta ttcggacttc ctgctctaca agtcaggagt 300
gtaccaacac gtcaccggag agatgatggg tgg                                     333

```

<210> 1348

<211> 185

<212> DNA

<213> Homo sapiens

<400> 1348

```

aaaaaagctt gcagcaagaa aatgccagtg tgcaactggg tgactaaaga ccaaagaaaa 60
acagttaaaa gggacagctt acttgctctc tgtctcaggt ttaacttctc acctgaaatc 120
tctcatagcc ctaattaaac acaaacaaaa gtctcttcca tagataggct acttctcagc 180
ttcag                                     185

```


<210> 1349
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 1349
 gcggcagcga ggggctcgga gaggtgctcg gattctcgta gctgtgccgg gacttaacca 60
 ccaccatgtc gagcaaaaga acaaagacca agaccaagaa gcgccctcag cgtgcaacat 120
 ccaatgtggt tgctatgttt gaccagtcac agattcagga gttcaaagag g 171

<210> 1350
 <211> 400
 <212> DNA
 <213> Homo sapiens

<400> 1350
 ttgtcatatc atatctatgt cacctgtgta ttctgagatt acacacatac ctgccaatat 60
 acctgggaaa gggtatttta tcacagttac acttgagttc ttggcaggca ggactgagga 120
 agagtaatth gaaagaagtt ttacatccta tttagaagaa atcactagta tttccttaaa 180
 taacagggtta caatagaaag atactgcctg gaagttatcc tttcactttg gttcattttt 240
 agtttttctt tatgatthac atagctgttt aattcatttg cttatagtac aatcctgcca 300
 taaagtatta aagcacaaga tacctattat tccttcaaca tctgcatttt tcaagtttta 360
 tactctacat ccacagtacg tcagcagttc ttgaatgttt 400

<210> 1351
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 1351
 ccaggaaagg gcagtcctga gggagaagac aggattcagg gcagtgctcc gaagctgtgt 60
 gctcacctgg ttggctcatc aaacctggca accctgtggc ctgtctgccg gagctgactg 120
 gatccactca tcaattcttc gtccccacta ctaagactgg gcatgttttg ctgggtgtgg 180
 ctctgcactt caggaatggg cacaacaggg ggtagccctc aaaagcactc ctttttctat 240
 acctcttctc aaggccatgt aagttgcccc tctctacctg gctgtggaca aaagggttatc 300
 tgctcttgg 309

<210> 1352
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 1352
 ccacttcatc tgtgtgggaa cgtgggtcagg ccgggtgctg gtgtttgaca tcccagcaaa 60
 ggggtcccaac attgtactga gcgaggagct ggctgggcac cagatgccaa tcacagacat 120
 tgccaccgag cctgcccagg gacaggattg tgtggctgac atgggtgacgg cagatgactc 180
 aggcttgctg tgtgtctggc ggtcagggcc agaattcaca ttattgaccc gcattccagg 240
 atttgaggtt ccgtgcccct ctgtgcag 268

<210> 1353
 <211> 620
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 545
 <223> n = A,T,C or G

<400> 1353
 cctgagtaat tattccatca tagacaaact tgtgaatata gtggatgacc ttgtggagtg 60
 cgtgaaagaa aactcatcta aggatctaaa aaaatcattc aagagcccag agcccaggct 120
 ctttactcct gaagaattct ttagaatttt taatagatcc attgatgcct tcaaggactt 180
 tgtagtggca tctgaaacta gtgattgtgt ggtttcttca acattaagtc ctgagaaaga 240
 ttccagagtc agtgtcacaa aaccatttat gttacccctt gttgcagcca gctcccttag 300
 gaatgacagc agtagcagta ataggaaggc caaaaatctc cctggagact ccagcctaca 360
 ctgggcagcc atggcattgc cagcattgtt ttctcttata attggctttg cttttggagc 420
 cttatactgg aagaagagac agccaagtct tacaagggca gttgaaaata taaaaattaa 480
 tgaagaggat aatgagataa gtatgttgca agagaaagag agagagtttc aagaagtgtg 540
 attgnggctt gtatcaacac tgttactttc gtacattggc tgggaacagt catgtttgct 600
 ttcataaatg aagcagcttt 620

<210> 1354
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 1354
 aaaggattat ttttatgcaa agtattctgt ttcagcaagt gcaaatttta ttctaagttt 60
 cagagctcta tatttaattt aggtcaaattg ctttccaaaa agtaatctaa taaatccatt 120
 ctagaaaaat atatctaaag tattgcttta gaatagtgtt tccactttct gctgcagtat 180
 tgctttgcca tcttctgctc tcagcaaagc tgatagtcta tgtcaattaa ataccctatg 240
 ttatgtaaat agttatttta tcctgtggtg catgtttggg caaatatata tatagcctga 300
 taaacaactt ctattaaatc aaatatgtac cacagtgtat gtgtcttttg caagcttcca 360
 acagggatgt atcctgtatc attcattaaa catagttt 398

<210> 1355
 <211> 371
 <212> DNA
 <213> Homo sapiens

<400> 1355
 ctggytcctc agtgggaact gagtcattac ctgctaaagg gtagaagagg agagagagag 60
 gccagagcct ggggatgggg cagaagggtgc agcaggaagg aagggttagag tgagaaaaat 120
 ttccaaataa ggggtgatgt gtgagtgtc agaggggtgac tgaggacatc tccagcattt 180
 ccattgagga gggaggaagg aggggccctt gggttctggg gcagatgccg gcagggtctg 240
 gatgagatgc cccaacctc aaccctgggc ctctgaaaac acttcacca gtcacactga 300
 ggagcccctc caggcccagg ggcccctcca ggtaggcgta tctcagctcc tctctggaag 360
 gacccccaca g 371

<210> 1356
 <211> 338
 <212> DNA
 <213> Homo sapiens

<400> 1356
 gcggcgcggg cggcggtaaa atgtcgggtc caggacctta ccaggcggcc actgggcctt 60

```

cctcagcacc atccgcacct ccatacctatg aagagacagt ggctgttaac agttattacc 120
ccacacctcc agctcccatg cctggggccaa ctacgggggt tgtgacgggg cctgatggga 180
agggcatgaa tcctccttcg tattataccc agccagcgcc catccccaat aacaatccaa 240
ttaccgtgca gacggtctac gtgcagcacc ccatacactt tttggaccgc cctatccaaa 300
tgtgttgtcc ttctgcaac aagatgatcg tgagtcag 338

```

```

<210> 1357
<211> 159
<212> DNA
<213> Homo sapiens

```

```

<400> 1357
ctgggctgct gcctctggag tacttccccg cagctcctca ttgctcacat agtaggcaat 60
ggcgttgctc tcaaacacac agaatccatc atcacctca aatgctggga ccttgccggc 120
aggaaatttg cggagaaatt caggggtgcg gttgggttg 159

```

```

<210> 1358
<211> 306
<212> DNA
<213> Homo sapiens

```

```

<400> 1358
cctgtcagag tggcactggt agaagttcca ggaaccctga actgtaaggg ttcttcatca 60
gtgccaacag gatgacatga aatgatgtac tcagaagtgt cctggaatgg ggcccatgag 120
atgggtgtct gagagagagc ttcttgtcct gtctttttcc ttccaatcag gggctcgtc 180
ttctgattat tcttcagggc aatgacataa attgtatatt cggttccccg ttccaggcca 240
gtaatagtag cctctgtgac accagggcgg ggccgagggg ccacttctct gggaggagac 300
ccaggc 306

```

```

<210> 1359
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<400> 1359
agagggagtc cagcccccaa gccttgtgag gcactgttar gcagataggg aaaagagggg 60
tccttagatc actggttcaa ggagggatct ggtaggggca gcatttcttc tgggctggaa 120
acagaatggg gggttcaaga tggcagaacc attccattat tggagctata agcccctaga 180
attgctccat ggcctatctc gggttccctt ggatctcatc tgctcctgaa ctgcacctgt 240
catggcaagt ccatactcgg ccccatctc ccctgagcca atgtgagtca ggtgaacaaa 300
attcattggg tccccaatca tgggtccggc aatccgtctt ctcttcttct ttcttctcca 360
ccatccagac gttcagctac ag 382

```

```

<210> 1360
<211> 365
<212> DNA
<213> Homo sapiens

```

```

<400> 1360
aaaaaacctt tcaaaataaa acttagtaaa atctagaact gkttcttggc ctacttgaga 60
ggaacttcca tattttcaca gccatctccg aaagcagcag ttgctgtaaa ttaactgaga 120
cttggaatg gtgcagactg tcttggtaga gctgttctta tagcacaatt ttatctggaa 180
aataaacttg taaatgcgtg ctgtatatta atacatgtgt gcccatatct atttttatta 240
tctcctgcca gtctttgctc aatgggagat gacagaccaa cttctcaacg tgatttcccc 300

```

atttcattga atgacattta tatgccactt atgaaaaaaa tactgctgtg aaagaaatgt 360
acttt 365

<210> 1361
<211> 502
<212> DNA
<213> Homo sapiens

<400> 1361
gaggtatgga aaaatatcaa caaggaaata ttagatttga actgctgctt cgtagcaca 60
cagcacattc tccaggatat accatatgtt aggacacaaa acgggtctca ataaattttt 120
aaaagtcaaa atcttatcaa gtatcttctc agaccacaat ggaataaaac tggaaatcaa 180
taacaagagg aacttctgaa attgaacaga tacacggaaa tcaaactaca tgttcctgaa 240
tgaccactgt gtctatgaag aaattgattt taaaaattta aaaattcttt gaaacaaatg 300
aaaatagaaa cacagcatac aaaaatgtat agggtagaac aaaagaagtg ctatgaggga 360
catttatctc aataaacacc cacatcaata aggtagaaag tttttaaaca aataacctaa 420
taaacgcctc tcaaggaact agaaaagcaa gaacaatca aacctaaaat tagaaggaaa 480
taaatagtaa agatcagagc ag 502

<210> 1362
<211> 545
<212> DNA
<213> Homo sapiens

<400> 1362
ctgattggat gtctaggaat gactgaaaga aacccaaaaca gcctgtccac tgctgctgtg 60
ggatggagga ggcgtaagca gaaacactaa cagtatactg acctcttagc agaaccgctt 120
ccatttctgga gatcacggct gctaaatcca gcacccccac ttcattttac cccagcata 180
ttgttctgta gtcttttctt gaaacatctt gattgctttt cctcggcagc tttcaaaaaa 240
ccaaataata atagttatcc gtcttctact tcatggaaga ttgttttggg gccctgaccc 300
tctgaagtgc ccagttcctg ccatctgaaa cctcggcctg atctgatctc atgttggaat 360
ctgcctgtct ttcacacagg gctggtcttg gtcttttaca tgccagtttt gcttgtgaat 420
tcttgctttt ttcctctcat cagccttaag tttaggcgtt tgttggtctc cagtgatgta 480
gacagttccc ttcacaagtc acagttcttc ccataaatga ggcccgtga cctctgcggg 540
acttt 545

<210> 1363
<211> 286
<212> DNA
<213> Homo sapiens

<400> 1363
gggagatgca ggatgtagac ctgctgagg tgaagccttt ggtggagaaa ggggagacca 60
tcaccggcct cctgcaagag tttgatgtcc aggagcagga catcgagact ttacatggct 120
ctgttcacgt cacgctgtgt gggactccca agggaaaccg gcctgtcatc ctcacctacc 180
atgacatcgg catgaaccac aaaacctgct acaaccccct cttcaactac gaggacatgc 240
aggagatcac ccagcacttt gccgtctgcc acgtggacgc ccctgg 286

<210> 1364
<211> 503
<212> DNA
<213> Homo sapiens

<400> 1364

```

ccatcaggat catgaaaaca aacttttggtg aatgtgagca actgcgccag acaggacaca 60
ggttacaggg cctgacgtca ctaacggtaa ctgacaatct tggaatggac cctactgctg 120
atgtttcaaa aggacacaga ggtgaactgg tcacttctaa ttaagaagag ccagtggggg 180
gggggaagct gaaaacccaaa aatccacgta gacatacgtg gcagtgtgaa cgtctgtcct 240
ccccttcctt ctctcactt cctctcctcc tcctcactca ggctgggtatt ctctgtgtgt 300
gcggatgtca gcttgccctg cagaagggtt gccagttttt tagatgtctt tttgagaaac 360
gagctgcccg gatgggcact gttcacgtgc aggtacaggt cctcctgggt ggggcccgtg 420
tagccgcaat cctcgcagac gtagagcttg tcccgcgcgt gcttataggc atactgctgc 480
tgcaccccat ggattttctt cag                                     503

```

<210> 1365

<211> 245

<212> DNA

<213> Homo sapiens

<400> 1365

```

ctgggcggct ccacgctcat ccagtgggcc taggttctga ctgaccagcg aacaaaaact 60
gtgacagaga tctaggattt cattcaggca gtgaaacacc taccggggaa acagagttgg 120
cattaggaaa ggaaggaagg tacatccatg aagttaaagt gttaggagaa cagtctgatt 180
aatagctgat ctaattaata gctgacctcc caaatctgac aggatagaca ctgccacgtg 240
caagg                                     245

```

<210> 1366

<211> 131

<212> DNA

<213> Homo sapiens

<400> 1366

```

aaaatcccca taaatctttt ctgtcctgag gtagttgcaa aataaatcat aacttggata 60
tcaactagag ctgaggcttt gactttttac tcattaaaac tagttgttac aggaactacc 120
tttagatatt t                                     131

```

<210> 1367

<211> 430

<212> DNA

<213> Homo sapiens

<400> 1367

```

ctgtgcagtt atatgaccat aaaggaaatg aaccattaaa aatggatcta cagccatata 60
ttctgccgtt actcagaggc ttaatgattt attttcccc tccagccctg cctttaccag 120
gttaaatgac agaagacctt ctattgtacc tattgttcaa aaaatattac tgttctgtgg 180
aacctgggag agtccaattg ataagagaaa ctgaatcata ctgatgaggt gaaggatagg 240
tctgccggtg tggggcaggg cactctttct cagcagccaa gataacttat cacacacgaa 300
gcagagagaa tgcacccgat gaaaatctct ctgaactgtg ttccttgaag gatctcttaa 360
aaaaaaaaaa tctgaaacat catccattga acaaatgaaa ggcttatacc tttaccatga 420
agaaacattt                                     430

```

<210> 1368

<211> 294

<212> DNA

<213> Homo sapiens

<400> 1368

```

ctgggcggat agcaccgggc atattttgga atggatgagg tctggcacc tgagcagtcc 60

```

```

agcgaggact tgggtcttagt tgagcaatth ggctaggagg atagtatgca gcacgggttct 120
gagtctgtgg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180
ttacagggtt gggaacagct cgtacacttg ccattctctg catatactgg ttagtgaggt 240
gagcctggcg ctcttctttg cgctgagcta aagctacata caatggcttt gtgg 294

```

<210> 1369

<211> 429

<212> DNA

<213> Homo sapiens

<400> 1369

```

ctgaaggcaa tgggggactg aggaaggagg cagcagaagt aggagaggag caagaatcca 60
gaagggaat gagaacgaca aaactgaagt gcacttcaac atcctgcagc caaaggggta 120
aaaaggagaa agaagtgcag accagtcaca taaatgccac agtgacatgc acaaaaacgt 180
gaggggcaca ctccagggac agagtctgac aacatgacaa gctacatggc atcaaactct 240
ttcatgtgac aggcagcttt tcacatgtgc atcttaagac tgggaacttg tatagataaa 300
ccttaagtag ttaataaaaag caaaagtcac cctctattca ctgtttgctg ccatgttcca 360
ggcatagtag ttggcacttt ttattttatt tcacttgatc agctcagaaa gtcctccaaa 420
tgagtatttt 429

```

<210> 1370

<211> 540

<212> DNA

<213> Homo sapiens

<400> 1370

```

ccactcccag gatgctgggt ctgccttgct ggctgggacc ccggagccgt cagtccacgc 60
actcccggat gcactcaaca acctaaggac gcaggagggt tccggggatg gtccgagctc 120
gtccgtagat tggaatcgcc ctgaagatgt agaccctcaa gggatttatg tcatatctgc 180
tccttccatc tacgctcggg aggtagcgac gcccttttc ccccgctac aactgggcg 240
cgctgggcag aggcagcacc tgctttttcc ctacccttcc tcgattctgt ccgtgaaatg 300
aattgggtag agtctctgga aggttttaag cccattttca gttctaactt actttcatcc 360
tattttgcat ccctcttacc gttttgagct acctgccatc ttctctttga aaaacctatg 420
ggcttgagga ggacacgatg ccgactccgc cagagctttt ccactgattg tactcagcgg 480
ggaggcaggg gaggcagagg ggcagcctct ctaatgcttc ctactcattt tgtttctagg 540

```

<210> 1371

<211> 142

<212> DNA

<213> Homo sapiens

<400> 1371

```

ttaaaatggg agcacaagag tctggcaagt tgggtactgca gagaaaaggg gttaattgag 60
gcttggttgg agtcgggatt cccctttccc aaacatgcgt ctgcgcactt ggacagcagc 120
catttgtagt cgtatacttt tt 142

```

<210> 1372

<211> 377

<212> DNA

<213> Homo sapiens

<400> 1372

```

ccaccatctg tgcaagtagc caaaaccact ccttttaaca cgaggagacc tgtgatgctg 60

```



```

gcctgctatg tgtggggcct ctatccagca gaagtgacta tcacgtggag gaagaacggg 120
aagcttgtca tgcctcacag cagtgcgcac aagactgccc agcccaatgg agactggaca 180
taccagaccc tctcccattt agccttaacc ccctcttacg gggacactta cacctgtgtg 240
gtagagcaca ttggggctcc tgagcccatc cttcgggact ggacacctgg gctgtccccc 300
atgcagaccc tgaaggtttc tgtgtctgca gtgactctgg gcctgggcct catcatcttc 360
tctcttggtg tgatcag                                     377

```

<210> 1373

<211> 504

<212> DNA

<213> Homo sapiens

<400> 1373

```

ccatgctaag tttgggaacc gctgggtgat ggacatggat gcttgcaacc gaccgtgggc 60
ggatgtgggt gaccagatgg cagaggacga caccatccat gagggctgcc cccaggtctt 120
cgtgcagact gaccttcaat ctcattctca tgcctctcac aagttgttcc accagctctt 180
tctcttctct catctgctcc attttcctcc ggattgtaaa ctgcgggtct atagattcca 240
aatttctctg aggtcttaga aacacagact cagaaatcaa atgaggatgt ctcagaaagg 300
agtcactttt ccagaggcag gctgcccctt aactcagccg agcagcagga accactgggg 360
ccaaagctat tttatcttcc ttaggtaaaa aaaaatcaat agaataattc ttccccgctt 420
acatgctccc accactgatg aacgcgatct tcagcaagaa gaactttgag tccctctccg 480
aagccttcag cgtggcctct gcag                                     504

```

<210> 1374

<211> 201

<212> DNA

<213> Homo sapiens

<400> 1374

```

cctccgtaag atgcttgaca attttgactg ttttggagac aaactgtcag atgagtccat 60
cttcagtgtt tttttgtcag ttgtgggcaa gctgcgacgt ggggccaagc ctgagggcaa 120
ggctataata gatgaatttg agcagaagct tcgggcctgt cataccagag gtttggatgg 180
aatcaaggag cttgagattg g                                     201

```

<210> 1375

<211> 295

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 12

<223> n = A,T,C or G

<400> 1375

```

ctgtgaggct gnttccaagg aggaaaacaa ggaaaaaaat cgatatgtaa acatcttgcc 60
ttatgaccac tctagagtcc acctgacacc ggttgaaggg gttccagatt ctgattacat 120
caatgcttca ttcattcaacg gctaccaaga aaagaacaaa ttcattgctg cacaaggacc 180
aaaagaagaa acggtgaatg atttctggcg gatgatctgg gaacaaaaca cagccaccat 240
cgtcatgggt accaacctga aggagagaaa ggagtgcagg tgcgcccagt actgg       295

```

<210> 1376

<211> 318

<212> DNA

<213> Homo sapiens

<400> 1376

```
ccagcgctac tgtactggcc cagggcagag ttcattgtatc tcgtcttgac cacgtctaca 60
ggggaggcga tgacagtggg gcagaagcct gcccacaagg cagaagtga gtggcaagg 120
aggtcatctg tcatgaggtt ggctttcagg agggcatcct tgatgaggtc ataggtcacc 180
agctcagcac agttgacaat ggcattacga gcaacattgg gggagggtccc tttccagagg 240
ccccggaacc cttcctctcg ggcaatgggc ttgtaggcat tgacgggtgct ttggtatctc 300
cgaccacctc cagcccgg                                     318
```

<210> 1377

<211> 143

<212> DNA

<213> Homo sapiens

<400> 1377

```
gtggattccg ytccggggcac cgatctcgcc aagatcctga gtgacatgcg aagccaatat 60
gaggtcatgg ccgagcagaa ccggaaggat gctgaagcct gggtcaccag ccggactgaa 120
gaattgaacc gggagggtcgc tgg                                     143
```

<210> 1378

<211> 98

<212> DNA

<213> Homo sapiens

<400> 1378

```
aaatattggg aatagggtcgg caacagcaac tatagaagta caactcaata gatggcatta 60
aaacatattg tagtgtggat atatattttt tctttttt                                     98
```

<210> 1379

<211> 330

<212> DNA

<213> Homo sapiens

<400> 1379

```
aaagatgttc acgttacgct ggaccaaatt aagacgggctt tctccctctt gctgacgtgc 60
cccagccgtg ataatgacca gcttgagggt tgcagttaca ttatagtctt tgccagagac 120
aatctttggg gttctaagga aaaggctgcc atgttgagga tccatcatct ctcccttcaa 180
tttgtcttcg acgacatcaa caagagcaag ttcattctgcc aagtccttca ttaagatact 240
gatggcacag gccatgcaa cagcaccaac cccaacaact gtaatcttat tctggggggg 300
ctgttcttcc tttagaagat tataaatcag                                     330
```

<210> 1380

<211> 269

<212> DNA

<213> Homo sapiens

<400> 1380

```
ccactcctgg aaaccactg atagatgagt ttccccatt cttctggcct ccgccacatg 60
atcaggaagc tggacttgct cttatccaac cactcgaggt tccctttctt cctcagttcc 120
tctaatacaa tctggatcga ctccacagga agctttcgct gtagcttgac gttgttgaag 180
agcgggctct cctgagcttc catcacgctc atgctggact gtttgtgcag gcggcagaag 240
gacaggacca gcgagcacca ggcggccag                                     269
```

CCAGCGCTAC TGTACTGGCC CAGGGCAGAG TTCATTGTATC TCgtcttgac cacgtctaca 60
ggggaggcga tgacagtggg gcagaagcct gcccacaagg cagaagtga gtggcaagg 120
aggtcatctg tcatgaggtt ggctttcagg agggcatcct tgatgaggtc ataggtcacc 180
agctcagcac agttgacaat ggcattacga gcaacattgg gggagggtccc tttccagagg 240
ccccggaacc cttcctctcg ggcaatgggc ttgtaggcat tgacgggtgct ttggtatctc 300
cgaccacctc cagcccgg 318

<210> 1381
 <211> 232
 <212> DNA
 <213> Homo sapiens

<400> 1381
 aaaagagagg aaaggcagtg cagggctgga ggtcctggag ggtggcggcg ggtcgtccta 60
 actagcaggc tgaaaggtgc tggaggggat gccttcactc agaggaagtt cacagccacc 120
 tgccttgga catgtacctg ttcattcttt cgtaattgta gtattcattt tgctatcttc 180
 ctggttgccat ttccaaacag tgtcagtatg tttttgttaa atacgaacat tt 232

<210> 1382
 <211> 348
 <212> DNA
 <213> Homo sapiens

<400> 1382
 aaacgtgcta aagggaagg aatctgacat tctgggtaaa tcttactcaa tctaaatcaa 60
 agcttggttt tcaggaggag gaaggtgcga gcgcaggcag aggtgctgaa tactcctctt 120
 ctgattcact tccatcatcc tctttctctt ggtcactgcc ctgagtgcta agccgggtcaa 180
 acccttttcg actgtagccc ttacggcttg caaagaaatt accaagggtt aagcctccac 240
 ttccctttcc tctaaatctt cccagtactc ttcctgaact cgtctcgagt ttgtgttcag 300
 aatctccaaa ggcccttgat tttttccacc gaataaatat ggcaatgg 348

<210> 1383
 <211> 293
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10
 <223> n = A,T,C or G

<400> 1383
 ctgcttcaan acctcagctt catgggactt gcgtctttct tctgcagctt ctaatttctt 60
 ctgaatttcc tccagggaag gatccttctt ctttggaggg gaaaggggga attctggaac 120
 agattctttt gaccgagggc tgagaatcag ctcaaaagcc tggcccgagg cacgcttctc 180
 cagttctttc acctggatat cagaagaagc catggtgaat agaagacaag cgacaggcag 240
 tgtattctgc acaatcaact gggataagga aagtcctgct cagtccgagc cgc 293

<210> 1384
 <211> 573
 <212> DNA
 <213> Homo sapiens

<400> 1384
 ctgaagcaac ttgggattaa ttgcttgatt agcttcacga agcacagaga taaggctcgt 60
 cacttgcttt atgttattag gtgtaaagaa agtgtatgct gtgcctgttt tggtagtgcg 120
 agcagttctt ccaattcgat gaataatac ctctgaggag ttagggtagt cataattgat 180
 gacaaatttc acatcttcca catctagccc tctggaggcc acatctgtag caatcagaat 240
 aggagctttt ccatgtttga attcatttag aaccagtcga cgctcttggt gactcttgct 300
 accatggata cccatggcag gccacccatc tctcctcatt tttctggtta gctcatcaca 360
 tcttcttttg gtttccacaa aaacaatggt tttattctcc ttctcactca tgatctcttc 420

cattagacga ataagttttt catccttttc tacgtcatga cacacatcca caatctgaag 480
aatgttgtgg ttgcaactca gttcaagtgc accaatgttt atatgaatat agtctttcag 540
gaaatcttca gcaagctgtc ttacttcttt tgg 573

<210> 1385

<211> 150

<212> DNA

<213> Homo sapiens

<400> 1385

ccaaggccgc tagggtcctt acccctcagg atcactcccc agccctttcc tcaggaggta 60
ccgctctcca aggtgtgcta gcagtgggcc ctgcccaact tcaggcagaa cagggaggcc 120
cagagattac agatcccctc ctgtaagtgg 150

<210> 1386

<211> 159

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 139

<223> n = A,T,C or G

<400> 1386

aatgatggt ttggttaaga gtggaccatg agaattagct gacagcatcc cttttctctc 60
tccctgcctt ggtgggaccc tccctgtgtg accttgggtca agtcctcgaa cttttgtccc 120
gtatttaaga tggagctgnt ttacctactt cataagaca 159

<210> 1387

<211> 735

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 5, 20, 41

<223> n = A,T,C or G

<400> 1387

ggtgnaattc gcctttgaan ggccgcccggg caggtccttt ntgtstgctg aaggcagatc 60
gcttggtcca caccagctac cactcccagg cagtgcatat ccgccctgtt tgcagaaatg 120
cacgctgtac tagcatctcc tgggagctga ggcagaccct gtcagttgta tttgatgcct 180
tcatcacggg gcagggaag aaagactggt cctctctccg gatgttctcc cgaaccctca 240
cggagccctg cccctggct tcagagagcc gagtctatgt ggacatcacc acctacaacc 300
aggacaacga gacattagag gtgcacccac ccccgaccac tacatatcag gacgtcatcc 360
taggcactcg gaagacctat gccatctatg acttgcttga caccgccatg atcaacaact 420
ctcgaaacct caacatccag ctcaagtgga agagaccccc agagaatgag gcccccccag 480
tgccctttct gcatgcccag cggtacgtga gtggctatgg gctgcagaag ggggagctga 540
gcacactgct gtacaacacc caccataacc gggccttccc ggtgctgctg ctggacaccg 600
taccctggta tctgcggctg tatgtgcaca cctcaccat cacctccaag ggcaaggaga 660
acaaaccaag ttacatccac taccagcctg cccaggaccg gctgcaaccc cacctcctgg 720
agatgctgat tcaga 735

<210> 1388
 <211> 369
 <212> DNA
 <213> Homo sapiens

<400> 1388
 ctggggacag cctacagggg cctccagcct gtgccagacg aggaggtgat tgagctgtat 60
 ggggggtaccc agcacatccc actataccag atgagtggtt tctatggcaa ggggccctcc 120
 attaagcagt tcatggacat cttctcgcta ccggagatgg ctctgctgtc ctgtgtggtg 180
 gactactttc tggggccacag cctggagttt gaccaagcac atctctacaa ggacgtgacg 240
 gacgccatcc gagacgtgca tgtgaagggc ctcatgtacc agtggatcga gcaggacatg 300
 gagaagtaca tcctgagagg ggatgagacg tttgctgtcc tgagccgcct ggtggcccat 360
 gggaaacag 369

<210> 1389
 <211> 322
 <212> DNA
 <213> Homo sapiens

<400> 1389
 aaagatgttt ctggcatttt ctttttatatt gtaagggtggt ggtaactatg gttattggct 60
 agaaatcctg agttttcaac tgtatatatc tatagtttgt aaaaagaaca aaacaaccga 120
 gacaaaccct tgatgctcct tgctcggcgt tgaggctgtg ggggaagatgc cttttgggag 180
 aggctgtagc tcagggcgtg cactgtgagg ctggacctgt tgactctgca gggggcatcc 240
 atttagcttc aggttgtctt gtttctgtat atagtgtacat agcattctgc cgccatctta 300
 gctgtggaca aagggggggtc ag 322

<210> 1390
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 1390
 aaatattagw tgagacttta caggcacata actgttcaga tagaaacaaa cataacagac 60
 taaaatactt tcaaaattaa agccatctag aaaatggaag taactgaaac tgtagccatt 120
 acaattcttt ttctgggttt gagcaaaaat tttatctctc tggcaaaaaca cttttgtctg 180
 atcatttgag agacagggtt cttgtatact gtttcttcaa cgtaaaccctc atttacaana 240
 atagtgtacat agcattatga ataaactatg aattggggac catggaaatg cactagaaca 300
 aattttgtaa aaatatggca gatatggaag ttaaaaatag aatggatgca aggactgtac 360
 taaagggtgt tgggtgtagt acaatgttca ctttgcacaa ctatccctat agtctaggta 420
 gccattgggt ttctcctcag cagtgtcaga 450

<210> 1391
 <211> 304
 <212> DNA
 <213> Homo sapiens

<400> 1391
 aaaaaatcat aaatgggggt tcataatcca aagttgaaac atttattctt catagcttca 60
 gaatttaaca accaattgta gaccatgctt tccaaatcca gtcttctttg ctatttttca 120
 aaacttctga gatctagtat taaactgtc cattctaaat gtatagtttt agataagtat 180
 tgtacacttg ttgataaggg ttttctgaaa gcagtctatc aaatataaag aatggtttct 240
 atctaagaat cagcagtgag ggaagaaata ttaaacacct atcaagaaat caattattca 300
 tttt 304

<210> 1392
 <211> 140
 <212> DNA
 <213> Homo sapiens

<400> 1392
 ctggaagaag aactgagaca gcagaaagaa gcagcttggt tcaaggctcg tccaaacacc 60
 gtcattctctc aggagccctt tgttcccaag aaagagaaga aatcagttgc tgagggcctt 120
 tctgggttctc tagttcagga 140

<210> 1393
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 1393
 aaaactttgt ttttcttaaa agcttacagt gtttggctaa ttctcctccc cttttttacaa 60
 gacggggggcc ggaggggtgga cactggtggc aggttaaggg atactgtcac tttaagaagc 120
 ctgcagattg aagtgtaaac atggagaaat taggggctga tttttt 166

<210> 1394
 <211> 543
 <212> DNA
 <213> Homo sapiens

<400> 1394
 gcagaggctg tgggtacaaca tgggtccttgg tgaagacctg caccctctgga acctcccacc 60
 atcatcacaa ctgtagtctc atttgcagtg gagaaaagaa cccgacgtcc cacagccaga 120
 tatacaccca gctccatgcc agcccttcat gtttaccttt tgctttgtta attacatgtc 180
 agactcctag agggcctcca gactaatagg aagcatttct gtaaccaacc tgccaccac 240
 tgattcagaa atggaaatca cattccacaa tctatggctt ctaccagcta gccaggaaa 300
 tacttgaaat cagcattcca attagtgttg agtctcttga ttgtgtcatt taccaattaa 360
 ataactgaga cctaagtctg ggaacagagc cacgaatctg cctttgagat gctggcagat 420
 ctcaaggcca tcaattattg ggggagggag ggacaaacac tcccaatcat ccaccagtca 480
 gactgaatgt gtagctggcg aggaattact tccacttctg gccagacaca agccctgctt 540
 tgg 543

<210> 1395
 <211> 364
 <212> DNA
 <213> Homo sapiens

<400> 1395
 cctatcatca gtgggggttgt attcaccatc atccagggtg ccatcttcat acaagggtact 60
 agctatgacc aaccgaaact tgtcacccaa gtctacaggg taaatttgaa tgtttacatc 120
 taagattaga tccatcttga aagattcact ctcaaatgc agtcgagaca ctcggtcaaa 180
 cttcttgccc tccgggtcaa tctccttcac atcgaaaata tcctcaaaca ggatgcccg 240
 catcgcgagg gggccacgag agcagcagaa ggggtgagag cgcgaccaca gttggggagta 300
 cgtgcacccc ctacgctgga caagaccgga gagaaccaa agcacctcct gaaagcgcg 360
 cggc 364

<210> 1396
 <211> 422

ctgattttat	ttcctttctca	aaaaaagtta	tttacagaag	gtatatatca	acaatctgac	60
aggcagtga	cttgacatga	ttagctggca	tgattttttc	ttttttttcc	cccaaacatt	120
gtttttgtgg	ccttgaattt	taagacaaat	attctacacg	gcataattgca	caggatggat	180
ggcaaaaaaa	agttt					195

<210> 1400

<211> 120

<212> DNA

<213> Homo sapiens

<400> 1400

```
ctgcctccaa ccctttgggt ctccaccacc caagtttcct gtaggggtccg ccgggtccag 60
gatcacaggc ctgggttttcg tgagctgcct tctcaggtac ttttcaataa tgggggtttt 120
```

<210> 1401

<211> 284

<212> DNA

<213> Homo sapiens

<400> 1401

```
ctgtagccaa aaagatgctg gggcagattg tggacaagta gaagcacctc ctccccctct 60
gcgacattga acggcgtgga ttcaatagtg agcttggcag tgggtgggcgg gttccagaag 120
gttagaagtg aggctgtgag caggagcctc tgccagggga catgcaatct gcaggagagg 180
gctgaggggg gtcccatggg ctctgctgtc ttctctgtcc acctctttgt agaggagctt 240
gagctccagg aatgctctgg tcagggtctgc tgtgactggt ggcc 284
```

<210> 1402

<211> 198

<212> DNA

<213> Homo sapiens

<400> 1402

```
ccaggtttct gctgggtacca ggctaagtag ctgggtgctgg cgggaacact gtgactggcc 60
ctgcaggaga ggggtggctct ttcccccgga gacagagaca gcgtgtctgg agactgtgtc 120
acttcaagct ctgcgatgcc atctgggagc cagagtagca ggaggaagag aagctgcgct 180
ggggtttcca tggttccc 198
```

<210> 1403

<211> 441

<212> DNA

<213> Homo sapiens

<400> 1403

```
aaactcaaaa ttgacaaatt aactagcttg ctttttgtca tttggaagac taccattatt 60
caaatttatt atgtaataca ctcatccaga taatgaaaca tctgcgaaaa aaagtgtggg 120
aatcacctca tctgtgcata aaatggctat tatacatgaa tgcagacgtt tgaagttaga 180
aaggaatata actcaaatag caaaagggtcc taattacaga gtttacaat aagcagtttt 240
attttcaaaa gtacatagta agtccagact gggctattgc caaagaacta atcttttagtc 300
tacttcaaca tgttacatgg tattcctgac tctacagact atcagcatct gtggagggtta 360
gctcctaaag gtcccaaaga acaggaaaca tgcaggaata aaggactcct catgaagagc 420
aggtgggagc gagtgggcag g 441
```

<210> 1404

<211> 243

<212> DNA

<213> Homo sapiens

<400> 1404

```

tgaaggggtt cttggaagac ctggcacctc cagagcgcag cagcctaatt caggattggg 60
aaacatctgg gcttgtttac ctggactata ttagagtcac tgaaatgctc cgccatatac 120
agcaggtgga ttgctcaggt aatgacctgg agcagttaca catcaaagtg acttcactgt 180
gcagtcggat agagcagatt cagtgttaca gtgctaaaga tcgcctggct cagtcagaca 240
tgg                                              243

```

<210> 1405

<211> 168

<212> DNA

<213> Homo sapiens

<400> 1405

```

aaaccactgg atctatctaa atgccgattt gagttcgcga cactatgtac tgcgtttttc 60
attcttgtat ttgactatct aatcctttct acttgctcgt aaatataatt gtttttagtct 120
tatggcatga tgatagcata tgtgttcagg tttatagctg ttgtgttt 168

```

<210> 1406

<211> 486

<212> DNA

<213> Homo sapiens

<400> 1406

```

ctggacatac agaaattggt gaatTTTTgt tgcaacttgg agtgccagtg aatgataaag 60
acgatgcagg ttggtctcct cttcatattg cggcttctgc tggccgggat gagattgtaa 120
aagcccttct gggaaaaggt gctcaagtga atgctgtcaa tcaaatggc tgtactccct 180
tacattatgc agcttcgaaa aacaggcatg agatcgctgt catgttactg gaaggcgggg 240
ctaattcaga tgctaaggac cattatgagg ctacagcaat gcaccgggca gcagccaagg 300
gtaacttgaa gatgattcat atccttctgt actacaaagc atccacaaac atccaagaca 360
ctgagggtaa cactcctcta cacttagcct gtgatgagga gagagtggaa gaagcaaaac 420
tgctggtgtc ccaaggagca agtatttaca ttgagaataa agaagaaaag acaccctgc 480
aagtgg                                              486

```

<210> 1407

<211> 560

<212> DNA

<213> Homo sapiens

<400> 1407

```

aaatatatgc ttttctagaa tttgatgttt gaccatttat gacttaatta ccagagagcc 60
agtaaattag gacagtgttt caacaagcct aggctatctc gtaagttgaa aaatatccca 120
ctatagttgc ttcattgagta tgaagtaaga tggcctctga ttacactgg ttcaatttac 180
aaattttcaa ctttatgata ggtttatcag ggtactaaat gcatttcaac ttgatagttt 240
caacttatga taggtttacc aggatgtagt cccactgttg aggagcatct atttaggagt 300
taattacttt agtaataagt ggaaagtaag ataccttgag taatgtttgc ctataaaatt 360
gtcagcgtat ttttacacta ttggctcaag aatgttataa tgctaaggga cataagttgg 420
caaccacttg gtttttggaa ggactttcgg tattgtatta gaagtctgcc ctagctgtta 480
aatttctggg tatttatcct aaggaattaa tttaaagagt aattgttcct ttcttcagtg 540
ggccattggt ttagatatatt 560

```

<210> 1408

<211> 360

<212> DNA

<213> Homo sapiens

<400> 1408

```

ctgcctagtt gtagttgaca gacaacttta taagctctag tcaaccctat tgactaagct 60
tctgaaccac tagcatagtt ctaggggtcag gcggatgcct actgtgggca ggaaagtgat 120
gcatgcatgt gtgggagcag tgtcttaatg tctgaaatag tagccatgag ctacatgtgg 180
ctatggagca cttgaaatgt gggagtccaa attatcatgt gctgtgagtg taaaataata 240
tgtttctaag accgtgtgtg aaagaatata aaatatctca ttaaaaaatg tttatattga 300
gtacatgttg aaataatttt atatttgtga cacattgtgt taaataaaat attaaaattt 360

```

<210> 1409

<211> 208

<212> DNA

<213> Homo sapiens

<400> 1409

```

ccagtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag 60
cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcag 120
aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca cactgatatt 180
tcgaatccat ttctgtcact agcctggc 208

```

<210> 1410

<211> 404

<212> DNA

<213> Homo sapiens

<400> 1410

```

aaaaaaagga aaaagtttta ttacgaaact agtttgtata aaacagggtt atacatattt 60
ttgtaagttt gtaataaaaac agtaagaaaa aaaaggcagt aatagaaatc tccaaaaggc 120
aacctatcaa aaccaactgg ctgccacttt gagtttggac agtagctgca taaactttgt 180
tcttcttgar cagtatttaa taacatcatt aatacatata caacatttct ataaagtaag 240
acacattggt gctgaagtac aactgggtggc ctcttgatct cacctatgag gagagtctt 300
tacamawcca catagggaaa attgcagttg taagggtgarc tacacatcta aaatatgcag 360
aggtaatagc attacatgtt aaagtatcaa gatatacaca tttt 404

```

<210> 1411

<211> 623

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 428, 469

<223> n = A,T,C or G

<400> 1411

```

ccacttggtg agatatgggg agcctacact ccggagggst gtacctttag cactggccct 60
catctctgtt tcaaattccac gactcaacat cctggatacc ctaagcaaat tctctcatga 120
tgctgatcca gaagtttctt ataactccat ttttgccatg ggcatggtgg gcagtggtag 180
caataatgcc cgtctggctg caatgctgcg ccagtttagct caatatcatg ccaaggaccc 240
aaacaacctc ttcatggtgc gcttggcaca gggcctgaca catttaggga agggcaccct 300
taccctctgc ccctaccaca gcgaccggca gcttatgagc caggtggccg tggctggact 360
gctcactgtg cttgtctctt tcctggatgt tcgaaacatt attctaggca aatcacacta 420
tgtattgnat gggctgggtg ctgccatgca gccccgaatg ctggttacng tttgatgagg 480
agctgcggcc attgccagtg tctgtccgtg tgggcccagg agtggatgtg gtgggcccagg 540

```

```

ctggcaagcc cgaaaactat cacagggttc cagacgcata caaccccagt gttggtgggc 600
ccacggggaa cgggcagaat tgg                                     623

```

```

<210> 1412
<211> 171
<212> DNA
<213> Homo sapiens

```

```

<400> 1412
gcggcgctgg ggggtgctgga gtccgacctg ccaagtgccg tgacacttct gaaaaatctc 60
caggagcaag tgatggctgt aactgcacaa gtgaaatcac tgacacaaaa agttcaagct 120
ggtgcctatc ctacagaaaa gggctctcagc ttcttggaag tgaaagacca g          171

```

```

<210> 1413
<211> 189
<212> DNA
<213> Homo sapiens

```

```

<400> 1413
aaaagtcata aggggttttat tttgtatcat caaaatattc tataagggtcc caaatactct 60
ttttcaaccc atgaacagta agaatttgtg aattctgata atgaaaaaag ttttcctcca 120
ggtatgtttg tttcacattc agtcctaaag ccttgagcta tgtgtacttc cctcacacag 180
gaacaccag                                     189

```

```

<210> 1414
<211> 564
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 511
<223> n = A,T,C or G

```

```

<400> 1414
cctccccagc gcccaaaggt ctattacaag tacctataga cttttcacat ataagttcta 60
gtgggtacaa gctttttttt tttttttttt tttttttttt tctattgggk atttcattca 120
ttttgggggg ggaacaaatt ctacaaactg ctttaaatatt gkcctttttt tctaataattc 180
acattaactt tttatgtaaa acataccaat gctttttaata aagcttacat aggaataaac 240
tattatagac ctgcatagat ataagtaccc atgtattaat ctacattaaa ataatggatt 300
ttattctgcg aaractccaa gttgctcctg ggkgctaagk gaagcactta gggaaatgtg 360
ttcagtcttt gaggtcatag gaacattara ttatatcaaa ggaaacctgg agccatcagc 420
taagtggccc ttctgtcctg tagatacata aaaactaatg ggctccgcta tgcggtcac 480
tttctgctat tagatactat gaggcactaa naaaaaacta ctgcctgcat catatctttc 540
ttcgggtttga gataaagaga atgg                                     564

```

```

<210> 1415
<211> 231
<212> DNA
<213> Homo sapiens

```

```

<400> 1415
ctgcgcttgg ataacaagta attcaacgca cgcacttaac agaaatgtta aactataaca 60
agcaccattt gaggattaac aggaacattt ttttgaagat ttcaaacgaa ctcgactttc 120

```

agttataattg tacctaaagt atttataaac agctcatcgg agcctctatt tgtcatagac 180
 ttttgagttg attgttggga ccacataata ggaccatttt tttttgtctt t 231

<210> 1416
 <211> 540
 <212> DNA
 <213> Homo sapiens

<400> 1416
 cttgatttag gatctgtggt gcagggcaat gtttcaaagt ttagtcacag cttaaaaaca 60
 ttcagtgtga ctttaatat ataaaatgat ttcccatgcc ataattyttc tgtctattaa 120
 atgggacaag tgtaaagcat gcaaaagtta gagatctgtt atataacatt tgttttgtga 180
 tttgaactcc taggaaaaat atgatttcat aaatgtaaaa tgcacagaaa tgcattgcaat 240
 acttataaga cttaaaaatt gtgtttacag atgggtttatt tgtgcatatt tttactactg 300
 cttttcctaa atgcatactg tatataattc tgtgtatttg ataaatattt cttcctacat 360
 tatattttta gaatatattca gaaatataca tttatgtctt tatattgtaa taaatatgta 420
 catatctagg tatatgcttt ctctctgctg tgaaattatt tttagaatta taaattcaca 480
 tgtcttgtca gatttcatct gtataccttc aaattctctg aaagtaaaaa taaaagtttt 540

<210> 1417
 <211> 350
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3
 <223> n = A,T,C or G

<400> 1417
 ttnatcatct aactgtggga tctatttcat ttctggaaat aacacaactt agttctaggg 60
 ctttcatgca catgaaatat aaaacagctt agttgttctg aaaacatgac aatgggttaat 120
 tttattcaag tcccaacact gagttcagag cacttctcca taggccccat taatctctcc 180
 aggtttctgg gagtatcatt aaatccctcg gcattcctta gaagcagggt cttagcaaac 240
 atccagtttc caaatgagag tcagaggggc ttgatcctga aagtgtagta ttttctgccc 300
 ttgtcctact ggtatagctt cttggaccta aaatctctct cctgctgagg 350

<210> 1418
 <211> 425
 <212> DNA
 <213> Homo sapiens

<400> 1418
 tgctaggcag ccttattttc ataaccawt tagggaaagg aaatttagga ttttcaaggc 60
 tacattaatt tttcctccat caaatcttga tttgttcttg ataaaaatga gttcttttgg 120
 ggaaattctt tcttttagaca ccaacttggg ttttctcatc ttccacagaa taattgaacc 180
 cctgacctct agatgttcaa aattccgctt caagcctctg tcagataaaa ttcaacagca 240
 gcgattacta gacattgcc aagaaggaaa tgtcaaaatt agtgatgagg gaatagctta 300
 tcttggttaa gtgtcagaag gagacttaag aaaagccatt acatttcttc aaagcgctac 360
 tcgattaaca ggtggaaagg agatcacaga gaaagtgatt acagacattg ccggggtaat 420
 accag 425

<210> 1419

<211> 390
 <212> DNA
 <213> Homo sapiens

<400> 1419
 aaactcttgc tattgaattg agatgattaa aatgggtgact taatccgtag ttatttttgca 60
 cccactgaaa ggaaagtgct ttccagaata atatgaagta tctaaaagtg tcaccttttc 120
 ttgcctgata aacaatttgg gcttcctggt tgtacaaggg gccatttggc atacctttca 180
 cagcttttat caggccaagt taaaggctga ctacattttt tcatcatgag gaaagcagtt 240
 gaaatgaggc atgagttact gtgcattggg attttagaac aattttcttg tgacagctct 300
 ttttgtgaag ttaggttctt aaaagtgcc atgatggtca cttaaaatgt gcagtaatag 360
 cactgccagg atcaagcatg aaaggctttt 390

<210> 1420
 <211> 480
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 322
 <223> n = A,T,C or G

<400> 1420
 ttgctgaaca atgacatcgt tttctccagg gggtgaaatc catgtccatg gctgacaacc 60
 caacaaggct gggacccaaa ttcgtacaga gatgaggcag agtggagaga aacaactctg 120
 gctgagccag agtctccagc cactacttct tattcctggg ctttagctct tcggctgcat 180
 tacgcaggaa aatgtaattt tttttctggg gattataaaa ttcattgtccc tttgaccagt 240
 cgtagctgga agcgtatgca aatatgtttc cattgygatt gaaacagcaa gctgasatgg 300
 gctgayctaa ctgttccgaa gnttttagtt ttgktctggc atctttgycc cagaagctga 360
 atctaccatc agatcccaca gttgcaaggg tgccatgaac aggatggaac gccgattcca 420
 tttacccgca taaatgycct gaggagctga agtggttggt ccattagatc gatgacattt 480

<210> 1421
 <211> 453
 <212> DNA
 <213> Homo sapiens

<400> 1421
 aaactgattg aggtcacagt attttattat ttggggtcct caccacagga aacactgcga 60
 tacaggggca aaagagatgg cagtgccaat taaattaata caacaaaatc aatgcagcac 120
 caaccaagac tgccaggctc ggtgtcatgg gtatgcccgag agcccaggag ttcagaaggg 180
 ccctaagcct gatttaaatgc tctgctgttg atgtcttgaa attcttaaca atttttgaac 240
 aaggggcctg cgttttcact tcgcactggg ccttgcaaat tacatagcga gtgctcataa 300
 aagaactcag aaacgtggta cctctcttcc tgggtggatac aaataaagaa atctggatcc 360
 aaagttgaaa gttgctggcg atatcattca agtaggactc taaatagtgg attaagatga 420
 ggggtgggcct ggggtgaagat tctttccagc ttt 453

<210> 1422
 <211> 542
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature

<222> 4, 151, 166, 220, 231, 308, 349, 364, 511, 528, 537

<223> n = A,T,C or G

<400> 1422

tttncttgac	cactatacgg	cacaacctag	gggstgtawa	aaacctascr	caatgcagaa	60
gggtgaagct	tcatgacaat	tggtctcggc	aataatttgg	gggatgtaac	atcaacgaat	120
cagacaacaa	aagcaaggga	atacacatgg	nactaaatca	gtgtgnggaa	aaatatccca	180
aacaggcaaa	gcacaacatg	gamtagatat	atgcacattn	atggaccctg	naggcakkac	240
tcacaaacat	actacctggg	aagcamctgg	acctttaagg	gatgaggtag	attcaacaaa	300
cagggcancg	tatmttccac	tgggtagtag	ttccagcctt	aaaaataang	aaatcttgaa	360
aagnactaca	ataaggacaa	atctcgaaca	cattctgtta	agtaaaacaa	gacaagccaa	420
aaagggaaaa	ctgtataatt	acacctatgt	aaaatattta	gtcaaactca	aagaaaccaa	480
gtgtttagtg	ctcagcaggg	caccaagatg	naaacagtct	ctcatagnct	gagatangca	540
tc						542

<210> 1423

<211> 252

<212> DNA

<213> Homo sapiens

<400> 1423

ttaatgccaa	atggcaaagt	tgcattccgtg	gaaatgggta	aatatcatca	ctgtcgggat	60
gaacccttgc	acgccctcta	tgacaatgtg	gagaaactct	ttccagggtt	tgagatagaa	120
actgtgaaga	acaacctcag	gacccctttt	aataatgctg	taaagaaacg	tttgatgaca	180
gacagaagga	ttggctgcct	tttatcaggg	ggcttggact	ccagcttggt	tgctgccact	240
ctgttgaagc	ag					252

<210> 1424

<211> 273

<212> DNA

<213> Homo sapiens

<400> 1424

tttccactct	gcacattgta	gagggaaacac	tctgtaggcc	catgggtccc	ttactagaga	60
ggttgagtga	atgtgccttc	agttaacatg	ggaccttctg	tttagcttcc	tcttgcttcc	120
caaagatttt	aagcattttg	taaatgtata	aactcacctc	tggtaacagt	ggcccagacg	180
ctgctttgtg	ctaaaagcat	gggaaatgta	aaggcagtct	ttctctggga	aatggatgct	240
attctattct	gctgccccta	cctgttcctg	agg			273

<210> 1425

<211> 618

<212> DNA

<213> Homo sapiens

<400> 1425

aaaaaccttg	tatagcaaaa	taacttaaaa	ccctttgtga	tatcatctta	ccagtttatt	60
tggtaaaaac	aaacagttat	ttggtatttg	tcagaattct	tcagtgcctg	ctattacagc	120
tattttccaa	ttactaattt	gattatactc	actcaaggca	gtgcaagatc	ttgaagtact	180
tttttagcagt	taagtaatat	tgaattgtat	tgaatagttt	acatagttta	ttctagtctt	240
tgaaaattac	tgaacatgga	caatgtgcat	gtcattgaca	tctgccttag	aacttctggg	300
acaatcctga	ttcgagagat	tctatcccat	tatttacata	tacaaaaaat	actttgttaa	360
tttaatgtgt	tggcttccca	actcctgaac	acgacacaat	tttattatta	gattttgtat	420

```

ggtgatttta ggctatgaaa acatgatcat tatatgtata tagatacatt tttatttggt 480
acaaatgttt gagcagctca ctagcccacc cctcctctat tttgggtaag agaatttact 540
acctttttta actatgtagt tgagagcaac atgtattttg ttatttttag aatggtcagt 600
atattgctat aaaatttt 618

```

```

<210> 1426
<211> 565
<212> DNA
<213> Homo sapiens

```

```

<400> 1426
gtggtagaaa gagatgacgg aagcacatta atggaaatag atggcgataa aggcaaaca 60
ggcgggtccca cctactacat agatactaata gctctgctg ttccgaggga gaatatggag 120
gccatttcac ctctaaaaaa tgggatgggt gaagactggg atagtttcca agctattttg 180
gatcatacct acaaaatgca tgtcaaatca gaagccagtc tccatcctgt tctcatgtca 240
gaggcaccgt ggaatactag agcaaagaga gagaaactga cagagttaat gtttgaacac 300
tacaacatcc ctgccttctt cctttgcaaa actgcagttt tgacagcatt tgctaatgg 360
cgttctactg ggctgatttt ggacagtggg gccactcata ccactgcaat tccagtccac 420
gatggctatg tccttcaaca aggcattgtg aaatcccctc ttgctggaga ctttattact 480
atgcagtgca gagaactctt ccaagaaatg aatattgaat tgggttcctcc atatatgatt 540
gcatcaaaag aagctgttcg tgaag 565

```

```

<210> 1427
<211> 144
<212> DNA
<213> Homo sapiens

```

```

<400> 1427
ccactagtta tttttatgta atcaattacg gggtcattag ttcatatccc atatatggag 60
ttccgcgtta cataacttac ggtaaatggc cgccaccgcg gtggagctcc agcttttggt 120
cccttttagtg agggttaatt gcgc 144

```

```

<210> 1428
<211> 214
<212> DNA
<213> Homo sapiens

```

```

<400> 1428
ccactagtta ttattatgta atcaattacg gggtcattag ttcatagccc atatatggag 60
ttccgcgtta cataacttac ggtaaatggc ccgcctggct gaccgcccac cgacccccgc 120
ccattgacgt caataatgac gtatgttccc atagtaacgc cgccaccgcg gtggagctcc 180
agcttttggt cccttttagtg agggttaatt gcgc 214

```

```

<210> 1429
<211> 253
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 12, 16
<223> n = A,T,C or G

```

```

<400> 1429

```

```

ccactagtcc antttngtgg aattctgaag ccttaattgc ttatatccat gtttctagtg 60
aaatgagagg gtataacaaa aaagagaaca ggaggaaagc ttcgctgtgc ctgaggaaat 120
aatctagtca aggcagcaag tctggatagt gctatagaga tgagatacct gagcagttcc 180
agaggaagag gtggagatca gaggccagtt ttcagtgaac actgtaaaga aaagccagat 240
gatgtgtcct gga                                     253

```

```

<210> 1430
<211> 232
<212> DNA
<213> Homo sapiens

```

```

<400> 1430
aaattttact agtgttactt aatgtatatt ctaaaaagag aatgcagtaa ctaatgccct 60
aaatgtttga tctctgtttg tcattacttt ttcaaaaatta tttttttctg taaagtataa 120
tatataaaaac ttcttgctta aattgaattt ctatattagt ggttaattgc agtttattaa 180
agggatcatt atcagtaatt tcatagcaac tgttctagtg ttttgtgttt tt          232

```

```

<210> 1431
<211> 734
<212> DNA
<213> Homo sapiens

```

```

<400> 1431
cattatacaa cactatattg ccaggtcaaa gagggcaggg acgtaaattgt acactaaaat 60
gcmaatgtat cccaaagaga taaaacaaat tccatttaca gcatgaagggt ttacaaatgt 120
acacctgtac aaccaaggaa agcatcacta ctaaattagc aaggctttta taataaacat 180
tgaaasaaga tttcctttca aagtgtaaac ttacatctat tactacacac acaatgcata 240
tatttataga aagcaaaaag agctatctga atatgtaatc atgcttaaat gctgagctat 300
caaattcact tttcagtggc cccttttcat ctctatctgg ttcctacttt ctgcctctat 360
gaaaaagcaa aataaagctc aacacttcct caacatgtct gtaattctat aagcaaaaca 420
aaatacaaat ttccactctt tctcattgca aaccaaactg aaaagttaat aagtgactta 480
actttttcatt tagtgcactt aattggaagt gtcaccatga ttttgtattt aactcttaca 540
acaattacat atgtaagtat atacaatatt tctgtacatt gccagagaca ttttagggca 600
gtaattgtat taaaaccaca tctactgtaa ataatgttag gttcttttca tctcaaacca 660
ctttattctt gcctacttac tcgttatttg catgatagtt tgtgaattat caaaatacaa 720
cttaactctt taaa                                     734

```

```

<210> 1432
<211> 542
<212> DNA
<213> Homo sapiens

```

```

<400> 1432
tttaagaaag agccttttgag aaacatgcat actttttctt tttctcctat attcaatact 60
catatagcct aaaagatgga aactgggttca agaattttaa tgacttggtc cctaaaaagt 120
taatctcctc accttttgta aatatatcaa gtgcttttcta taaataaggg caggaaatgc 180
taacttcata agcatagtcc tagtcattaa aataatttga tcatcttcta aaatttaagt 240
atgatagtaa cacagtaata tggaaaatct caatatactt aacacttcct aaacagcaca 300
atgaaatgtt gttcaagggtc tgaattaatt tgctacagga cctaagcaag tctgtttgct 360
tatctttttg ctttaaaaatt ctttaagtct aaaatgggtga taattttaga ataaactgac 420
aatgtgggga acaaacttaa attcacaac actaccata tgctcaaaaa ctctctggga 480
taattagttt cttcattgta actattgatg tactattatt tcatctttcc attagctcta 540
ct                                     542

```

<210> 1433
 <211> 175
 <212> DNA
 <213> Homo sapiens

<400> 1433
 ttaaattgat tcaaaaaaac ttgacacctg tcatgtaggc cacaaaatag tagcgaacta 60
 tactaagtgg tatagcccac tgtggagtgt ggtctttttac tcttccaaat agcccaagtt 120
 ggcaaagggt acttaaaaaac ctgcccccca aaaagctaac ttttggtaga ttttt 175

<210> 1434
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 1434
 ttaatcacta ttgatggaag cttatatattcc ttatgaatat atacatgtat gcatatatac 60
 atctctgtat gaatcactca aagcaatttt 90

<210> 1435
 <211> 153
 <212> DNA
 <213> Homo sapiens

<400> 1435
 tttaacctttg tgctttgaag gttctaccat ttakaaagta aaaagccaac ccacagaatg 60
 gaagaaaaga ggacagactc taacaagcgt tcacaaagat ggagagaaat tgtaaccctc 120
 atatattgct ggtagaattg tagaaagatg cag 153

<210> 1436
 <211> 483
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 36
 <223> n = A,T,C or G

<400> 1436
 ttttttagttt aaagaagagt tttgccactt aracanggga gctwtgtctg gaaaatacac 60
 tgagttgaaa cacttcaccc ttggaaggat tatataagat gaacagytgt gataaatgtg 120
 tagattagag ggatgtgaat gggcagttag tccagtgcc tcatTTaaga ggccaagatc 180
 ctgattcaga ggaggcatcc tttgcccaga gctgcttagc taatctgacc aaatggtggg 240
 aaaaatgtct cacctaacc actattcctt aattatggat tttgtgaaaa acaatagaac 300
 atgttaatat gtaattttata ttagttcgat gtattacaat tttttagctt taaattacag 360
 yttttcttata atgttgaaat gtttttagaat cctttgaatc taagtatttg tttcctaaat 420
 gaaacatttg tacaacattt gatgttttta cttatgaaat attctcctcc cccaagaaaa 480
 ttt 483

<210> 1437
 <211> 171
 <212> DNA
 <213> Homo sapiens

<400> 1437

```

ttttgccacc tcaagaagcc attttcttgt ctgtttcctt ctttacctac ccctacaacc 60
tatgaacaaa taccataact taaaaattta ggtagtctac aactcctaca aattttaagt 120
tcagagacta cccaagaac tgtggaagat gcagcaatat aaaagttttt t 171

```

<210> 1438

<211> 408

<212> DNA

<213> Homo sapiens

<400> 1438

```

tctgagtgga ggtaggctaa caacacattt tgactttstc ctcaaaggat agctttgaaa 60
aacaagtgta accaattggt acaccaaatt aaaatggcaa tattaaatcg gtaacaaaac 120
gatccacatt ttatacaata ttgtatttcc aaacatacat aggtcatgaa aatcagagaa 180
cctaataatag caccgttgaa accattcatt atccttcatg tgtgtatgca attcagaatt 240
tcggcagaag acaacaaatg gaaaatgcct ttcgtttcta taaatcattt tggatttcaa 300
ttaaatcttt gccttagtaa agggatttct tatctcaaga tcaattagcc gtttttagct 360
ccaccgtttt ggaagtaaaa atgatgagct acatctactt tttaattt 408

```

<210> 1439

<211> 168

<212> DNA

<213> Homo sapiens

<400> 1439

```

ttacacaaca gctataaacc tgaacacata tgctatcatc atgccataag actaaaacaa 60
ttatatattag cgacaagtag aaaggattaa atagtcaa atacaagaatga aaaacgcagt 120
acatagtgtc gcgaactcaa atcggcattt agatagatcc agtgggttt 168

```

<210> 1440

<211> 307

<212> DNA

<213> Homo sapiens

<400> 1440

```

tttcacatac gaagaaatca actgtgatta tgaagtgaca gccagctaaa tatgtcttgt 60
attttctctc ttcctttttt tgccctaactc atcctttact tccattcctg cttccatggt 120
aatgcaggct caaataaatt actaggatac aagattactt caagcctctt ttctgtggaa 180
ctcataatat gataagcatt tgttacaaga ttgcctgtag ttgttttaggg gacaaattat 240
attagggaaa gaaagtcttt ctttagttgg tttaaattttc tattataatt gggactactaa 300
tttatatt 307

```

<210> 1441

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 600

<223> n = A,T,C or G

<400> 1441


```

ttaaagttctg gagtggtcac ttctgagcct gaattccctc ccctgcaaaa tgggggaata 60
ccctccctcag agggtcctctg cgaggggtgag gggagattca gcatggcagg tgtgctgggc 120
acggcagggc ctgggaaggc cagatccttt ccccatccct gccacaaaca acccaaacct 180
ttaaaggaga gcaatggcct tgtgtcaaaa acaaaaacaa aacaaaaccc tgtcctagga 240
gactggggcc ctaatttcta atagcaagcc tttatgagtc cctaactcct tactgggctg 300
agtatctcac acgccagagg ataacctgcc ttctgctcac caccaccccg tagtagttgt 360
cattgtgtcc atttcacaga tgaggcaaag gctcagaaga gtcattgtgt aaaccagctt 420
ctagagccca tgcaggagct gcagggtggg gaatcacctc taggtgctct tcccatagaa 480
tcctcacctc ctgagtgtca ctactcagc ttccaatggg tgtgtgacct ttgaccagct 540
ttcttcctct ctgggcctca gtttcccacc tggacaaagt aagaggctct ttggcttcan 600
gtaagttctt cctaaacttc tttttccttt tcatttgagc atcctcttca tttttgccac 660
ctctctgtca ttacaggct tttt 684

```

<210> 1442

<211> 166

<212> DNA

<213> Homo sapiens

<400> 1442

```

aaaaaatcag cccctaattt ctccatgttt acacttcaat ctgcaggctt cttaaagtga 60
cagtatccct taacctgcca ccagtgtcca ccctccggcc cccgtcttgt aaaaagggga 120
ggagaattag ccaaacactg taagctttta agaagaacaa agtttt 166

```

<210> 1443

<211> 194

<212> DNA

<213> Homo sapiens

<400> 1443

```

tttgccctgt caaaagaaga gctaaagaca gttatataaa aattaagggtg ggcttttcaga 60
ctggctaaca caacaacatt ccatgagtag atggtaattt atttttgttt atccatttcg 120
ttgggagcaa ggacaaaaat gtaaactctac accttgctta tcaaaattgc cgaaaaaaga 180
atgctctgcc tttt 194

```

<210> 1444

<211> 96

<212> DNA

<213> Homo sapiens

<400> 1444

```

gagagtcgag agtgggagaa gagcggagcg tgtgagcagt actgcggcct cctctcctct 60
cctaacctcg ctctcgcggc ctacctttac ccgcc 96

```

<210> 1445

<211> 365

<212> DNA

<213> Homo sapiens

<400> 1445

```

gggatgagct gaccaagaac caggctcagcc tgacctgcct ggtcaaaggc ttctatccca 60
gcgacatcgc cgtggagtgg gagagcaatg ggcagccgga gaacaactac aagaccacgc 120
ctcccgtgct ggactccgac ggctccttct tcctctacag caagctcacc gtggacagga 180
gcagggtggc gcagggaac gtcttctcat gctccgtgat gcatgagggt ctgcacaacc 240
actacacgca gaagagcctc tcctgtctc cggtgaaatg agtgcgacgg ccggcaagcc 300

```

cccgctcccc gggctctcgc ggtcgcacga ggatgcttgg cacgtacccc gtgtacatac 360
ttccc 365

<210> 1446

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1446

tctggaaagt	tcttgctcgg	gtcccttcac	ctccccgccc	tttcttarag	tgcagttcct	60
agccctctag	aaacgagttg	gtgtctttcg	tctcagtagc	ccccaccca	ataagctgta	120
gacattgggt	tacagtgaag	ctatgctatt	ctcagccctt	tgaaactctg	cttctcctcc	180
agggcccgat	tcccaaacc	catggcttcc	ctcacactgt	cttttctacc	attttcatta	240
tagaatgctt	ccaatctttt	gtgaattttt	tattataaaa	aatctatttg	tatctatcct	300
aaccagttcg	gggatatat	aagatatatt	tgtacataag	agagaaagag	agagaaaaat	360
ttatagaagt	tttgtacaaa	tggttt				386

<210> 1447

<211> 261

<212> DNA

<213> Homo sapiens

<400> 1447

aaaattataa	ctactcattc	tttcttttagc	cttagttaat	ttgagcagaa	gccacaacaa	60
gcaaaccaca	ataaatttag	aattggcaga	aatccacatt	aactcctctt	cccaagtttc	120
cacactacta	ccatttacag	ttgtagggtt	gtaatgtata	attatgtaat	gcagaaacta	180
gctttgactt	gtgtaacgat	gcactgtcaa	agtaagcaaa	gtaagaattg	aaattccaca	240
ttcccagaat	ttaacactca	g				261

<210> 1448

<211> 404

<212> DNA

<213> Homo sapiens

<400> 1448

aaaaaaagga	aaaagtttta	ttacgaaact	agtttgtata	aaacagggtt	atacatattt	60
ttgtaagttt	gtaataaaac	agtaagaaaa	aaaaggcagt	aatagaaatc	tccaaaaggc	120
aacctatcaa	aaccaactgg	ctgccacttt	gagtttggac	agtagctgca	taaactttgt	180
tcttcttgaa	cagtatttaa	taacatcatt	aatacattaa	caacatttct	ataaagtaag	240
acacattggg	gctgaagtac	aactgggtggc	ctcttgatct	cacctatgag	gagagttcct	300
tacaaaacca	catagggaag	attgcagttg	taagggtgaac	tacacatcta	aaatatgcag	360
aggtaatagc	attacatggt	aaagtatcaa	gatatacaca	tttt		404

<210> 1449

<211> 230

<212> DNA

<213> Homo sapiens

<400> 1449

aaaagttcta	gtggtacggt	aggagctttg	caggaagttt	gcaaaagtct	ttaccaataa	60
tatttagagc	tagtctccaa	gcgacgaaaa	aaatgtttta	atatttgcaa	gcaacttttg	120
tacagtattt	atcgagataa	acatggcaat	caaaatgtcc	attgtttata	agctgagaat	180
ttgccaatat	ttttcaagga	gargcttctt	gctgaatttt	gattctgcag		230

<210> 1450
 <211> 194
 <212> DNA
 <213> Homo sapiens

<400> 1450
 aaaaactcct tttggtttac ctgggggatcc aattgatgta tatgtttata tactgggttc 60
 ttgttttata tacctggctt ttactttatt aatatgagtt actgaagggtg atggaggtat 120
 ttgaaaattt tacttccata ggacatactg catgtaagcc aagtcattga gaatctgctg 180
 catagctcta tttt 194

<210> 1451
 <211> 106
 <212> DNA
 <213> Homo sapiens

<400> 1451
 aaagatgaca aatactgggtt aattagcaat ttaagaccag agccaaatta tccaagagc 60
 atacattctt ttggttttcc taactttgtg aaaaaaattg atgcag 106

<210> 1452
 <211> 349
 <212> DNA
 <213> Homo sapiens

<400> 1452
 ctgcagatcc tgcggaacgt caccaccac gtttccgtga ccaagcagct cccaacctca 60
 gaagccgtgg tgtctgctgt gagcgaggcg gggcgctctg gaataacaga ggcgcaagca 120
 cgtgccatcg tgaacagcgc cttgaagctg tattcccaag ataagaccgg gatggtggac 180
 tttgctctgg aatctgggtg tggcagcatc ttgagtactc gctgttctga aacttacgaa 240
 accaaaacgg cgctgatgag tctgtttggg atcccgtgtg ggtacttctc gcagtccccg 300
 cgcgtggtca tccagcctga catttacccc ggtaactgct gggcattta 349

<210> 1453
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 1453
 aaaaataatg tgcaagagca tcatgagaaa gaagaggggt gaagagataa tccagaggaa 60
 catcaaattg aagagtatac actcaaagac aggtttaaga aagaccagtc agagaagtaa 120
 agaaaaaat caagcaagaa taatgttgca aaaattaaca agaaagttgc aagcccagag 180
 tggttagcaa tgccaaacta ccatgagtaa gccacataaa acaagaactt tgggttcaac 240
 tgctttaaca atcagacctt tagattcaca taacaggagt tacaaaatta agagcctctt 300
 tt 302

<210> 1454
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 1454
 caagcgtaaa ccgcgggagc cgagcccagc taggaatgca gacctcctga aaaccaagcc 60
 gaggactgcg ggggtccggtg tccacgcaga gtgtcagctt cctctggtgc aaccagcaag 120

```

tcttccagta tgaatcccac agaaaccaag gctgtaaaaa cagaacctga gaagaagtca 180
cagtcaacca agccaaaaag cctacccaag caggcatcag atacaggaag taacgatgct 240
cacaataaaa aagcagtttc cagatcag                                     268

```

<210> 1455

<211> 207

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 29

<223> n = A,T,C or G

<400> 1455

```

ctgtcgagag cagccctgcc caagawtgnc ggggtgggggc tggtgccaac gggttcccaa 60
ggscctttcm actttkgaak ggctggartt cttgggaaac cmaaacsctg actacctgsc 120
ttttttcttg ggcatygacs tgcttcattt ccaaaratga tggkgcaggt gaccttttcc 180
atcgtgagct aaaaaaaggt taggagg                                     207

```

<210> 1456

<211> 181

<212> DNA

<213> Homo sapiens

<400> 1456

```

aaatttctgt ctgctaaaat ctatcaaata cattaaggaa aagtcccact tggcacatct 60
cccacaccag atgttaatta ttcatactgc atgactgagg attttggagg cagagagaga 120
ttcatctgca atatttggaa caccaatgga ggtctacgtc aacacagaat ttatacagca 180
g                                                                 181

```

<210> 1457

<211> 309

<212> DNA

<213> Homo sapiens

<400> 1457

```

aaaaagwtca gagttgaaat gcctttcaac cattkccttc tgtggtcatt tttcttgctg 60
cctttttcac ccaagattca gcagtcagat gtttactgca cacctattac ctattatttg 120
ctgttcttgc atggttcaaa ccaccattct gtagccaccc atcctttgcc ttatctaaca 180
aacatttttc caggaagggt gaaaaggaag tggttgctctc attgtgtgac tcagtgtgct 240
tgtccatccc atggaaacat gggcacaatc aagtatttgt ccagcctatt gcaggctttt 300
cctgacttt                                     309

```

<210> 1458

<211> 117

<212> DNA

<213> Homo sapiens

<400> 1458

```

aaagactatt gagaaatagg aaggtattga gagattattg gggtttcatca kagcagactt 60
aagtagcctg gttgatttta gatttgtcac agcaaaatca tgcttggatg ctcgagg     117

```

<210> 1459

<211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 371, 379, 428, 469, 498, 506
 <223> n = A,T,C or G

<400> 1459
 aaagaatgca taccagaaca tttataagca gtggagtgag kthtattaag aatagtacta 60
 ctacaataaa cgctggctaa ataagaagtg cattatgtga agcactatgg gtggtatatg 120
 cttwgmcaaca tactctkggt accttgaggy agatmacrca tgkgaaccaa cttcggcata 180
 catttttcagt tgctgcgagg aatcatgtgt tttaacgaaa tgcgtcagta tgaaaaactt 240
 gaaaatattc atgaatgawg aacgcmttag gaaaaaaata kstattctca tgcaattatg 300
 tacagtctca ctgtgtarat ctcaaggcaa ggtttgcctc ctgtaaacca gatcaagggtg 360
 ctatgagaga ncgccytgnc ttattgcatt tcttttctcc tmctgcgcca gcattatatt 420
 gctctagnct ttatttttgt gtgcacactg acatgccatt aaaratgang ractatctca 480
 catgtagaaa argaaagnmc ttggankcta cctcagggtcg ctaccacgct aaggggygaat 540
 tctgcaggat atccatcaca ctggcggcgc gattg 575

<210> 1460
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 1460
 ctggggggttc cttccttcac gttgagaacc tggagcagag agtctaccaa cttaagaaat 60
 attagaaaga gttcagcaaa cagagtgagc tgaagtctaa tcctagaagt aaatccattc 120
 ctacaagtca tcagcatcac ttgggagcct gttagaaagg caaattcttg gttcagccta 180
 acacctacta aatcagaaac tctgggggag gagcgcagca atctgtactt tcacaagccc 240
 tgcaggtgat tctgagcctg taaaatttga gaaccagagc tgtccccag gagataaatt 300
 aacttctact tttttttgag ctactgcatt ttgggatcct attgttttat cagcttaaca 360
 tgcatacctga tatgattact caggtatggt tcaaccaatg ttggttaatg tattatcccc 420
 aggaacttat tactagagga gcag 444

<210> 1461
 <211> 536
 <212> DNA
 <213> Homo sapiens

<400> 1461
 ctgcaaccct gggactgacc gggaggctct gattatttac ccmaccacag gtaggttgtg 60
 ttctgaatct caggttcaca gggttaagggt cagcatcctc atcctccacg gggttggagt 120
 tggtgctggt gatgaagggt ttgggtggct ctgcatagac tgtgatcgtc gtgactgtgg 180
 tcctattgag gccactggct gagttatttg cctggcaggt atagagtccg ctgttcttct 240
 cagtgatggt ggagataaag agctcttggt tgtgttgctg gatgttccca tcaatcagcc 300
 aagaatactg tgcaggtggg ttagaggctg catggcagga gaggtgagg ttcacccttg 360
 gacggtaata ggtgtatgag ggggaaatgg tgggkcrctc ygggccatag aggacattca 420
 ggatgactgr gtcgctgtgs tyarcactta atkcgttctg gattccacac tcatagggtc 480
 ctacatcatt ccttgtgaca ytgartagag tgagggtcct gttgtcattg gacagm 536

<210> 1462
 <211> 409

<212> DNA
<213> Homo sapiens

<400> 1462
ctgakagacc aggagaagtt ccagatgcag agactgtgat gctcttgact atggaattat 60
tgcggccagt agccaagtta gagacaaaac aggcataagg cccgttatta tttggcgtga 120
ttttggcgat aaagagaact tgtgtgtgtt gctgcggtat cccattgata cgccaagaat 180
actgcgggga tgggttagag gccgagtggc aggagaggtt gaggttcgct cccgaaaggt 240
aagacgagtc tgggggggaa atgatggggg tgtccggccc atagaggaca tccaggggtga 300
ctgggtcact gcggtttgca ctactgagt tctggattcc acatacatag gctcttgctg 360
catttcttgt gacattgaat agagtgaggg tcctgttgcc attggacag 409

<210> 1463
<211> 502
<212> DNA
<213> Homo sapiens

<400> 1463
ccttcagcct ggatccttta tattaagatc aatgaggacc atttctggaa gatgtctggc 60
atggtacaga ctgtctgagg ccractgaac acaggccctt accctgattt tatcagtga 120
aagctatggg actagtttcc ttacctctaa aatggagaga ataatagaat cttccgtcta 180
agactkctgt gagcataagc cgagaaaatg gaggtaaact gcttagccca atacttgat 240
tatcgtaaat attcagtaaa actagccacc gttgttattg taattattat tttgtatatt 300
attatacatt tcatggaaac ttaaaagtta gtgataatca cctcattttc agttgccttg 360
ctttcttcct gtaaatttta ttctctctta tcttgctcac tgtctttaag cattgccagt 420
ttagtataat tattttcccc taccctctat aaaatcatat acaggatgga tttgttgatc 480
tcagacatgt tcatgaggtt tt 502

<210> 1464
<211> 294
<212> DNA
<213> Homo sapiens

<400> 1464
ggcggctcgg actgagcagg actttcctta tcccagttga ttgtgcagaa tacactgcct 60
gtcgcttgct ttctattcac catggcttct tctgatatcc aggtgaaaga actggagaag 120
cgtgcctcag gccaggcttt tgagctgatt ctacgccctc ggtcaaaaga atctgttcca 180
gaattccccc tttcccctcc aaagaagaag gatctttccc tggaggaaat tcagaagaaa 240
ttagaagctg cagaagaaag acgcaagtcc catgaagctg aggtcttgaa gcag 294

<210> 1465
<211> 249
<212> DNA
<213> Homo sapiens

<400> 1465
gtgcaggtct tcagccgtga cccggtaccc cagctctaag ggaggtggca gcatcaaagg 60
ctcccctcgc ctgcgtggca gcagggaat cttgcgtcta cggggcctag agtcatggga 120
tctgggggag ccaccctgg gggcaagtgt ctgccctgg gctgtacctg ccttgttttc 180
acagcgggtga cccgaagaga cagcctgagg tccgtcctca ctactgtgt ttgaggaact 240
gtgggccag 249

<210> 1466
<211> 203

<212> DNA
 <213> Homo sapiens

<400> 1466
 cctcagacac cttttaattg cttaggagaa accattgtct ctgactgcag gtttgaataa 60
 gttgaagacc agagaaaagt acacactggg ctacaaagga atttggagat agccaaggaa 120
 caggatttcc cctagcaagc taccttctgt tcaaatacatg aaaaagact atttcccctt 180
 agaataggga agcttgctat ttt 203

<210> 1467
 <211> 223
 <212> DNA
 <213> Homo sapiens

<400> 1467
 ctgtcagaac aggaacgacc tgggttatgg aagcccagaa agggaggagg acttcttttg 60
 gtcccagtga aagatgcttc cagaatctgt agccttactt atttgcttgg atctcactgg 120
 aataacttgg tgggtgaggtc accggttctg gggatgatcac tgggtttgct gcatagatgt 180
 ttggatagat gacactcaca ttgcttgatt gacagcagac caa 223

<210> 1468
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 1468
 ctgcattatg tgtgttttaga acgagaagtt gtttgtacag tatttttcta ttgaccgctt 60
 ccgtcttgcc tgaaacctgg gcattctttc caatagacag aaaatcagag agtcaaatct 120
 gatgcgcaat gagttgttct gagaccagta atccacgggt ctgcaatttg ggttttt 177

<210> 1469
 <211> 185
 <212> DNA
 <213> Homo sapiens

<400> 1469
 ctgaagctga gaagtagcct atctatggar gagacttttg tttgtgttta attagggcta 60
 tgagagattt caggtgagaa gttaaacctg agacagagag caagtaagct gtccctttta 120
 actgtttttc tttggtcttt agtcacccag ttgcacactg gcatttttctt gctgcaagct 180
 ttttt 185

<210> 1470
 <211> 482
 <212> DNA
 <213> Homo sapiens

<400> 1470
 ctgaccagga gggacgggtc tgtggacgag gacttcgtag ctgaggagcc agatttcttt 60
 ttggtccctt cctcctggaa tggaatcgtg gcgctactgt ggagatctga gttgatgtag 120
 cacctgcttc ctcggaatgta gtccgcaccc cggaccagat gccgctcggc cgtgggtctg 180
 gagaaccggt atgggggaga ggagctctct tcaatgatcg gaggaatccg ctcggttactg 240
 aaataccggc aaagggcac cccccctttc ctgccatgac ctcgaggtct ggcaaaaggg 300
 tccacaatcc ccatccagtt cccatcagca ggcatggaca aaggccgtgg cttgccttca 360
 gagggacgag aaagaagggtg acaagtttga tgagttctgg aacttttagtg aaccgttccc 420

tttatgtata acttagacct cacaatacca caccactta gacagaagca ataacaaatt 480
 tt 482

<210> 1471
 <211> 257
 <212> DNA
 <213> Homo sapiens

<400> 1471
 tgtgtgaact tagactkwtc aattcaacat ttttaacrta tkaaatacta ttgtgaattc 60
 aatgaagtgt tcttatgccca ctaacttta cctattccct tactcamgga tgtaggyaaa 120
 rgatggtaac aatacactat tkggcaagat aatgtmctga catmtytagc aatstttttt 180
 gmcagtggct tkcaactgma mwkaaskkam mkaatattgy tkctgtwsgt arattattat 240
 tctgwywytat atcattt 257

<210> 1472
 <211> 342
 <212> DNA
 <213> Homo sapiens

<400> 1472
 cttttgcgag cctctgccgc agcagctccg ttttcacgcg catctcgttt ttgtgtgtgt 60
 gtttttgttt tgtttttgtt tttgtttttt tgtttcagag aattggaagc taaagctacc 120
 aaagacgtag aaagaaatct tagcaggtaa gatgggagcg ctttccgtct cccgccccac 180
 gataatcgta tatttctact ccgattcgcc ctttctgggt tgagaagttc ccccgtagaca 240
 ttttcttccg caccgaggaga gcagacattc gggagaagcg gcctggggga atactggagg 300
 gattgcgggg agatgcgtaa ttacgcgtgt gtttctttct tt 342

<210> 1473
 <211> 526
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 435, 442, 454, 462, 476, 524
 <223> n = A,T,C or G

<400> 1473
 ctgctacatg tcttcacagc ccaggaattc aaggcccagg tggcagcagg aagaaacagt 60
 ggaaaagcaa ggggaagaga aaagagaaaa aggaggggga aagtctgcat aactgtcata 120
 acctctgctt ctctgctct gtaacaaacc cacaaccagg aagagtcatt gtctggaaca 180
 atcatgggac cccaaacgcc tgtaggtttt ttaccaccaa acatcaccca tggctgctct 240
 aagctgtcat tttgttccca cagttaccta gcatcacgga tgcccaattt atggcccagg 300
 aaggctgacc caggctaagg gcagtctcac tccacagcca tgcaatggac agtctgaatg 360
 tttcctaccc cagaccttta ctgacctcta ctatttcctc ctctgatata aaagaaaaac 420
 acttttaatt ttctnctgca tntacatct cctnctaaaa antttggcct aattgncatc 480
 aaaaccttgt aggaatctga aattttgggt cttctgaatc ttancc 526

<210> 1474
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 1474

```

aaacttgttt gctgtgaaca attgtcgaaa agagtcttcc aattaatgct ttttatatct 60
aggctacctg ttggttagat tcaaggcccc gagctgttac cattcacaat aaaagcttaa 120
acacattgtc caaaaaaaaa aaaaaaaaaa gcccckcccc sgggggscck ttmaaggggr 180
aawtccc                                     187

```

<210> 1475

<211> 474

<212> DNA

<213> Homo sapiens

<400> 1475

```

ccattctctt tatctcaaac cgaagaaaga tatgatgcag gcagtagttt tttcttagtg 60
cctcatagta tctaatagca gaaagtgagc cgcatagcgg agcacattag tttttatgta 120
tctacaggac agaagggcca cttagctgat ggctccaggc ttcctttgat ataactaat 180
gttcctatga cctcaaagac tgaacacatt tccctaagtg cttcacttag caccaggag 240
caacttggag tcttcgcaga ataaaatcca ttattttaat gtagattaat acatgggtac 300
ttatatctat gcaggtctat aatagtttat tcctatgtaa gctttattaa aagcattggc 360
atgttttaca taaaagttta atgtgaatat tagaaaaaaaa ggacaatatt aaagcagttt 420
gtagaatttg tcccccccc aaaatgaatg aaatacacia tagatgtaca aaaa         474

```

<210> 1476

<211> 401

<212> DNA

<213> Homo sapiens

<400> 1476

```

ccttggggac agggcaggag gacgcacacc tcatggacag ggcgggccagg gctgagatac 60
cagcggggtg ggtattcccc gcgggtgctt acctccaaca gtgtcttgct agcaaaggcc 120
atgatgccct caaagatgat gacgtttgca ccatacagtg ttttctgtga agaaaccag 180
gagttgcgga gcctggctca tgtgcctgca gccccccgag gcccctctg cagggccctg 240
gcctaccag tccttcttcc ggctgtgcgt ggtgaagtca taaatgggca ccttgacact 300
cttcccctgc ttcagcttct tgaggggtga aatgatgaag gtcgaagtca aaaggcatct 360
ggggtgggtc gaaagtttga aagtttgctt gtggtgccgg g                                     401

```

<210> 1477

<211> 753

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 59, 75, 152, 194, 200, 203, 205, 674, 682, 709, 737, 746

<223> n = A,T,C or G

<400> 1477

```

cagcatgctt aaaaagttgg aggaattgga acagaaatac acctwmcaac ctkrmcctnt 60
taccaaaaac aaacnagtgg tatkggamcc sacctttmrk ctttttcmac macttatttc 120
aaagytsrtt kgtggkgaaa agmcacycyk snatscywcc rcacccttgw aggcygttgg 180
acttrataac akknetgctn atnwnrtgta ggggtgatay tgatgrtgaa attgcactta 240
gctgggttat aattkgaaag tcaaagtctt atttgataaa gatgtgaatg agagaaatac 300
agtaaaagga tttaggaagt tcaacatttt gggcacgcac acaaaagtga tgaacatgga 360
ggagtccacc aatggcagtc tggcggctga atttcggcac ctgcaattga aagaacagaa 420
aaatgctggc accagaacga atgagggtcc tctcatcggt actgaagagc ttcactccct 480

```

```

tagttttgaa acccaattgt gccagcctgg tttggtaatt gacctcgaga cgacctctct 540
gcccgttggtg gtgatctcca acgtcagcca gctcccgagc gggtgggcct ccatcctttg 600
gtacaacatg ctggtggccg gaaccagga acctgtcctt cttcctgact cccctttgtg 660
cacgatgggc tcanttttc anaagtgtt gagttggcag tttttcttnt tgtcacccaa 720
aagaaggtct caatggnggg acccanaacc ttt                                     753

```

<210> 1478

<211> 421

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 399

<223> n = A,T,C or G

<400> 1478

```

aaacctatac tcactttccc aaattgaatc actgctcaca ctgctgatga tttagagtgc 60
tgtccggtgg agatcccacc cgaacgtctt atctaatacat gaaactccct agttccttca 120
tgtaacttcc ctgaaaaatc taagtgtttc ataaatttga gagtctgtga cccacttacc 180
ttgcatctca caggtagaca gtatataact aacaaccaa gactacatat tgtcactgac 240
acacacgtta taatcattta tcatatata acatacatgc atacactctc aaagcaaata 300
attttttcact tcaaaacagt attgacttgt ataccttgta atttgaaata ttttctttgt 360
taaaatagaa tggtatcaat aaatagacca ttaaccaana aaaaaaaga aaaaaaaaaa 420
a                                     421

```

<210> 1479

<211> 214

<212> DNA

<213> Homo sapiens

<400> 1479

```

ggaaatatat aataaaaatg ttaaccagaa ggtaaacttg agtgtaattg tcagacagac 60
acacttttcc accagtgtat ttgaatttta gaccagtgc cctgttttgt ggcattcatg 120
caaaacatgc tgagggtttt gttcatctgg tcatcgtgtc caaatttcag tcatgtttgt 180
agcaagattt tggaagcatt catatttcct tttt                                     214

```

<210> 1480

<211> 434

<212> DNA

<213> Homo sapiens

<400> 1480

```

ggaggccgct tacgtaaagc ccaggggaca ttcaacagcc cctactaccc aggccactac 60
ccaccaaca ttgactgcac atggaacatt gaggtgcca acaaccagca tgtgaagggtg 120
cgcttcaa at tcttctacct gctggagccc ggctgtcctg cgggcacctg cccaaggac 180
tacgtggaga tcaatgggga gaaatactgc ggagagaggt cccagtctgt cgtcaccagc 240
aacagcaaca agatcacagt tcgcttccac tcagatcagt cctacaccga caccggcttc 300
ttagctgaat acctctccta cgactccagt gacctatgcc cggggcagtt cacgtgccgc 360
acggggcggt gtatccggaa ggagctgcgc tgtgatggct gggccgactg caccgaccac 420
agcgatgagc tcaa                                     434

```

<210> 1481

<211> 131

<212> DNA
<213> Homo sapiens

<400> 1481
aaaatcccca taaatctttt ctgtcctgag gtagttgcaa aataaatcat aacttggata 60
tcaactagag ctgaggcttt gactttttac tcattaaaac tagttgttac aggaactacc 120
ttagatatt t 131

<210> 1482
<211> 324
<212> DNA
<213> Homo sapiens

<400> 1482
tgctcgctcc tcagaggctg aaaacatgag aagctagggtg tggtgaaacc aaagcagctt 60
tattgttcaa atgctaaaga cgggaggatg gactggctca agccttaaag aaaccatctc 120
gactttttga actcagtga cgggtttaag gaaaacgtgg gaaatatgca aagggtggtgc 180
aggaggggtgc aggtctgtgt gtcttattcc catggatatc ttgagtaatc gcttgtccag 240
aggtgggggtt tgtgtcatcc tgaattcaac ccagcaatgg taggggtactg ttcataactc 300
accctaagcc agaagattcc tcag 324

<210> 1483
<211> 393
<212> DNA
<213> Homo sapiens

<400> 1483
atgtttaatg aatgatacag gatacatccc tggttgaagc ttgcaaaaaga cacatacact 60
gtggtacata tttgatttaa tagaagttgt ttatcaggct atatatatat ttgcccaaac 120
atgcaccaca ggataaaaata actatttaca taacataggg tattttaattg acatagacta 180
tcagctttgc tgagagcaga agatggcaaa gcaatactgc agcagaaaagt ggaacaacta 240
ttctaaagca atactttaga tatatttttc tagaatggat ttattagatt actttttgga 300
aagcatttga cctaaattaa atatagagct ctgaaactta gaataaaatt tgcacttgct 360
gaaacagaat actttgcata aaaataatcc ttt 393

<210> 1484
<211> 323
<212> DNA
<213> Homo sapiens

<400> 1484
ttagatcag aaagtttgag gtcttcatca gcagacactc gtgcttctat ttttcttggt 60
ttatcgaaca gttctgaaac tttgagaaaa aacttgcata tatctgtaga atcctgagtt 120
cctaaagcat ataataga accaattcta ttgtaatcat ctgcagcact tttgtgggat 180
cttgtcattc tatcagattt agcagatgca tccttaactc ggttatgata ttccaaaaga 240
aatgttcggt cgtgctcaaa gaaatcatct acatccttia ctctgaaac gattactcca 300
tctgctgatt taaccatggt ttt 323

<210> 1485
<211> 405
<212> DNA
<213> Homo sapiens

<400> 1485

```

aggagcgtca ggaaaacacg ggcagcctgg gctctgaccc gagccactcc aactccacgg 60
ccacgcagga agaagacgag gaggaggagg agagttttgg gaccctctct gacaaatact 120
cctcccggag actattccgc aaatccgcag cccagttcca taacctgcgg tttggggaac 180
ggagagatga gcaaattggaa ccggagccca aattatggcg aggccggaga aacaccccgt 240
actggtactt cttgcagtgc aaacacctga tcaaggaagg gaagctggtt gaagccctgg 300
acctgtttga gaggcagatg ctgaaggagg agcgattgca gcccatggag agcaactaca 360
cggtgctgat tgggggctgc gggcggggtg gctacctgaa gaagg 405

```

<210> 1486

<211> 230

<212> DNA

<213> Homo sapiens

<400> 1486

```

aaaaatatgt ggattgtgct tgacgtagca aatttcttct atctgcaaaa gcccttttct 60
cactacctca tataaccccc tttgatatgg caccatgttt gaaattggag cgtacacaca 120
tagtcattgg atttactggg attctctttg tgacaagtag gagccaaggg gtcatgcagg 180
gaagcgaacg tgcccgataa ggatttcctt gttgccagag tgtttagcag 230

```

<210> 1487

<211> 273

<212> DNA

<213> Homo sapiens

<400> 1487

```

tttccactct gcacattgta gagggaaacac tctgtaggcc catgggtccc ttactagaga 60
ggttgagtga atttgccttc agttaacatg ggaccttctg tttagcttcc tcttgcttcc 120
caaagatttt aagcattttg taaatgtata aactcacctc tggtaacagt ggcccagacg 180
ctgctttgtg ctaaaagcat gggaaatgta aaggcagtct ttctctggga aatggatgct 240
attctattct gctgccccta cctgttcctg agg 273

```

<210> 1488

<211> 452

<212> DNA

<213> Homo sapiens

<400> 1488

```

cctactgtgc cccgtaggca aagctctgaa gatttcatcg aaaaatctgc tgtcaatacg 60
tagaaaagtt cactatttca gtttcacagc aaaaaagggtg gggggagggg ggaacccaat 120
agatatTTaa gtagatgctt tccaatccca ttcactgcat taattagctt acctcttata 180
cagtacaaca taaacattgc atgtttatTT gtatgtaaca cctataagca tatagcatct 240
acatttTTaag tgtatttTaca aattcaacaa aatatctaca tataaaaagc tttacttTaaa 300
attTaaacttg atgcaagtta tgagaaacca atttattggc aaatgaaact gagcattcct 360
tcaaccatag gttgttTatag attttcatat ttggaggtaa cccatttgat agatattgTt 420
tatgaatacg atagaatata tatttacttt tt 452

```

<210> 1489

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 556, 562, 568, 573, 589, 592, 632, 637, 645

<223> n = A,T,C or G

<400> 1489

```
cctgctcttc tcttcaaagc acttagtaca cagggktaca ggtgctacca cttggattcc 60
ccagagcatg gaagtctgat cccagggtga acatatttct tctgaaaatg agcatcttgg 120
ttctatagat tcttatcttg ctcacaggac ttgctccaaa actgaatttt cagaagcagc 180
atgataggga aagagatatt caactctgac agacaaggta gatcgaagca cccacactaa 240
tttctttcag gtgccccatg aggaagactg catcatgtca cttccactca cttggggaga 300
ttctaggact gagacacaaa gttccccccag agtttctgct aatggaaggg gaaacagggtg 360
gtttggaatg gaaagggtgga accagggtcca caaaatgtgc tccctctgct caagactgac 420
tttggttttc ccagggtcccc acttgacttt catataagct gagatgacct attacgggaa 480
aaattaggga acacctaata aaaccaactt tcaaaaactc ctatttatca tggatgtgcc 540
acgatcgaga gaatcnaaca cnaactgnct gtnagagagg ccttcattnt gnetcatctt 600
gagctaaaat cctgrcttgg gatgccagaa ancatgnccc tcttntcggt ttg 653
```

<210> 1490

<211> 363

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 347

<223> n = A,T,C or G

<400> 1490

```
taacctgaca aaataaaaact tagtaaaatc takaactgtt tcttggccta cttgagagga 60
acttccatat tttcacagcc atctccgaaa gcagcagttg ctgtaaatta actgagactt 120
ggaaatggtg cagactgtct tggtagagct gttcttatag cacaatttta tctggaaaat 180
aaacttgtaa atgcgtgctg tatattaata catgtgtgcc catatttatt tttattatct 240
cctgccagtc tttgctcaat gggagatgac agaccaactt ctcaacgtga tttccccatt 300
tcattgaatg agatttatat gccacttatg aaaaaaata ctgctgngaa agaaatgtac 360
ttt 363
```

<210> 1491

<211> 163

<212> DNA

<213> Homo sapiens

<400> 1491

```
taatcagccc ctaatttctc catgtttaca cttcaatctg caggcttctt aaagtgcag 60
tatcccttaa cctgccacca gtgtccaccc tccggccccc gtcttgtaaa aaggggagga 120
gaattagcca aacactgtaa gcttttaaga aaaacaaagt ttt 163
```

<210> 1492

<211> 184

<212> DNA

<213> Homo sapiens

<400> 1492

```
yattccccag gggaaaaaatt gaaagtcaaa ctattcacca agagaatgca ttgtctttgc 60
aatgagcct aagaatcaga ctttttataa atacatgttc aagtttcttg tggttctaaa 120
tggacactga gaactgaaac tgtctacacc aagtttataa tctatattaa ctatcattwt 180
acag 184
```

Sequence 1489-1492

<210> 1493
 <211> 273
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 39
 <223> n = A,T,C or G

<400> 1493
 aggtaawttg tgatatttag tgcacattta cgtgtaggnc crtcttkaat ggtaaagaca 60
 gatacaagcc tatggcacac ttctccaaag caagctatac ttgagagcca attcccaaatt 120
 aagacagcag agatctgatt aaatgcaact gtgcaaacat tcaacagaca tgttgaatgt 180
 aagacaaaatt atgattactg ataatatgca aatgtggtct ataaatttat gaatgtgact 240
 tccaagggga atatggtatg gaagcccatt ttt 273

<210> 1494
 <211> 343
 <212> DNA
 <213> Homo sapiens

<400> 1494
 ttggaaagcc tatcactttc tctcttcatt ctccagcccc cacaccaagc acacagagct 60
 tttcagtgtt ttactcttaa tggagaacat aaccagggat tatcaggtat tccaacatga 120
 aaaagaaagt ccaatagaaa caagcaggat aatcaaacca ggaggaagca gagactatat 180
 agagaaagaa aaaaagacac atgggaataa cggcaataat actgacaata cacctcacca 240
 taaacttatc agaatgaatt tgttggagaa atatatggag gggaggtact tgtgtgtgtg 300
 cacaggcact catgtacacg tgtgtatgtg tatgtttttt taa 343

<210> 1495
 <211> 378
 <212> DNA
 <213> Homo sapiens

<400> 1495
 tagcattctt ccagccactc tggcgctcact atgtgcttca cgacagaaat cgccgctcagg 60
 aacttcacgg tgcgagtcac tttgctggca atgaggtgtg tgcacttctg tgcagactcc 120
 gcaacctctc caccaagaat gtagagcttc ttaatatact gttgaacctg gacaggctcg 180
 aatccagtga aaagcacaaa aggggtcaat tctggagtta gcttttttagt gggaggtggg 240
 acgtcttcaa ttctggctct tttggaagaa ggctggacat tagctacttc attctgtttc 300
 agtttgggag gtagtcttat actcatcaac aactctgcag acacttttaa gggaactctc 360
 caagcatcta aaagattt 378

<210> 1496
 <211> 181
 <212> DNA
 <213> Homo sapiens

<400> 1496
 tggagaagga agttttcctg aagagccaga atccttgcta agtcatttag atccaactga 60
 ccattcttat ttctgtcaaa aatcttcacg atggtgccag tgtattcttc cagtttagcc 120
 tcagaaatgg cttttttgtg gtgaagaaag aggtctcgga ggaagttgag gagctcagca 180

TTTCCAAAGCAAGCTATAC

g

181

<210> 1497
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 1497
 tggaaagctga tccaccttga gatcaagccg gccatccgga accagatcat ccgcgagctg 60
 caggtcctgc acgaatgcaa ctgcgccgtac atcgtgggct tctacggggc cttctacagt 120
 gacgggggaga tcagcatttg catggaacac atggacggcg gctccctgga ccagggtgctg 180
 aaagaggcca agaggattcc cgaggagatc ctgggggaaag tcagcatcgc gggtctccgg 240
 ggcttggcgt acctccgaga gaagcaccag atcatgcacc gagatgtgaa gccctccaac 300
 atcctcgtga actctagagg ggagatcaag ctgtgtgact tcgggggtgag cggccagctc 360
 atcgactcca tgg 373

<210> 1498
 <211> 337
 <212> DNA
 <213> Homo sapiens

<400> 1498
 gctctttagt tgcttttctt ttaagggaga tgtagtaaaa gggaaaatgt agctcttagt 60
 ttacacttca aagatgtggg ggtctttcag agaactaaga ataacagttt tatgtgcaga 120
 gagagttagc cagatctgaa gcatatacct cattgactag gctgttactt tgggataggt 180
 tgcagtacca gccacagcca gcagatagag gaaaagacac acataaactc gcttctgagc 240
 gtccacttct gcactctctg ctctgctgtt actcagcccc tgagtctgac tcatctctgc 300
 acaacctctc tgtgccatga agataagtct tccatgg 337

<210> 1499
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 1499
 catgcggagg gacttttagca tggctgataa ggtccttcct accattccaa aagaacagag 60
 gaccagagtt gcacactttt tggaaaggca gggcttcaag cagcaagctc ttacagtatc 120
 cacagatcct gagcatcgtt ttgagcttgc tcttcagctt ggagagttaa aaattgcata 180
 ccagtttagca gtggaagcag agtcagaaca gaagtggaaa caacttgctg aacttgccat 240
 tagtaaatgt cagtttggcc tagcccagga gtgcctgcat catgcacagg attatggggg 300
 cctgctgctt ttgg 314

<210> 1500
 <211> 321
 <212> DNA
 <213> Homo sapiens

<400> 1500
 cctgaaacct ggtgggaaga tgattgaaag tgtttttagat tcaacagatt gactatgtat 60
 gacttatcta ttaaaatgaa gaacttccat ggtttaatag aatgaatgct gtattcaaca 120
 aggtcttcca tccttcttat aaatcttaag actgtgttta agctttcttt cacttttact 180
 ctatcccttg gaagttaatt ggggaataaaa agatttatca atttagtcac tataatttaa 240
 ggccaggcat ctgcttggaa atacaataac cacaattaat acttagagaa aattgtttca 300
 acagattaac tctgctatct t 321

<210> 1501
 <211> 557
 <212> DNA
 <213> Homo sapiens

<400> 1501
 ctgctctggg gaaaatgggtg gaggagccag gcagagagga ggagcagagt gctggcagtg 60
 gaaagcctag ctgagactgg agatgcccc ctgccc aaag catctcagcg aggatgcttc 120
 tccatatggg tgagccagcc tagagacaga acaggggaag ccagcgggtg ctgcagcgac 180
 ccaccgcccc agaacatctg catcttacat caacaaaggt ttatttctca ttaatatcca 240
 ttgtgggttg gctgccactc taaccctcgt tgcctctcca tctgggtctt ggggtggcaga 300
 gcagcctgtc tctgtggcag aggaaaagag agcactgggc agcacaggct gactctcaaa 360
 ttttccgcct gaaggtgacc caagtcactg ctcacatttc attgactaaa gcaaaatcct 420
 atgcctgtgg gtgagttgag caacgtgatg aggtgttaac ttcctacagg gaggggctca 480
 aatattgccc aacagtggta tggcccactg cctgggggtg tgggtggaag gctggcagga 540
 caaggagagac cacgtgg 557

<210> 1502
 <211> 249
 <212> DNA
 <213> Homo sapiens

<400> 1502
 cctgcgggga ggcgcgctgc aagaacctgc ccggctccta ctctgcctc tgtgacgagg 60
 gctttgcgta cagctcccag gagaaggctt gccgagatgt ggacgagtgt ctgcagggcc 120
 gctgtgagca ggtctgcgtg aactccccag ggagctacac ctgccactgt gacgggcgtg 180
 ggggcctcaa gctgtcccag gacatggaca cctgtgagga catcttgccg tgcgtgccct 240
 tcagcgtgg 249

<210> 1503
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 1503
 ccaggacctc ttttgggcat ttcttcctaa gtggaataca caacagataa gggagtaggg 60
 gaggtaatac aggggaagcta ctctttccag ctccagaagga gttgatgaag cccatatatg 120
 cattcaagaa gcccatggga tctcttagct gtggatagtg gctaattgtg tcatccagaa 180
 tcgacactgt ggaccgcggc agcgttttcc tgtacagctc caaaaactct ggatagggat 240
 ttacaggatc caatggccca tagataaaat gaatggggat agttacagag gcaagagctc 300
 cc 302

<210> 1504
 <211> 430
 <212> DNA
 <213> Homo sapiens

<400> 1504
 ccacgatatc aactatatttg ctttgtcagg tgttctctca aaaattggca gaagtgggtga 60
 gaatccgtat gccccgctga atctcctggc tgactttgct ggtgggtggc ttatgtgtgc 120
 actgggcatt ataatggctc tttttgaccg cacacgcact ggcaagggtc aggtcattga 180
 tgcaaatatg gtggaaggaa cagcatatct aagttctttt ctgtggaaaa ctcagaaatt 240
 gagtctgtgg gaagcacctc gaggacagaa catgttggat ggtggagcac ctttctatac 300

gacttacagg acagcagatg gggaattcat ggctggttga gcaatagaac cccagttcta 360
 cgagctgctg atcaaaggac ttggactaaa gtctgatgaa cttcccaatc agatgagcat 420
 ggatgattgg 430

<210> 1505

<211> 164

<212> DNA

<213> Homo sapiens

<400> 1505

ccagtcacct tcaccttcta actaactagc ctccggatga ggtggctgcc accaggcccg 60
 aatgatecccc aggagcccag cttccaaacc ccaacatcga atcaaacatc tccatcccca 120
 agtgcagtaa cacacaaaaa ccaaactc tgccctggga aagg 164

<210> 1506

<211> 189

<212> DNA

<213> Homo sapiens

<400> 1506

aaaagtcata agggttttat tttgtatcat caaaatatc tataaggtec caaatactct 60
 ttttcaacc atgaacagta agaatttgtg aattctgata atgaaaaag ttttcctcca 120
 ggtatgtttg tttcacattc agtcctaaag ccttgagcta tgtgtacttc cctcacacag 180
 gaacaccag 189

<210> 1507

<211> 268

<212> DNA

<213> Homo sapiens

<400> 1507

ctgcacagag gggcacggaa ctccaaatcc tggaatgcgg gtcaataatg tgaattctgg 60
 ccctgaccgc cagacacaca gcaagcctga gtcacttgcc gtcacatgt cagccacaca 120
 atcctgtccc tgggcaggct cgggtggcaat gtctgtgatt ggcatctggg gccagccag 180
 ctctctgctc agtacaatgt tgggaccctt tgctgggatg tcaaacacca gcacccggcc 240
 tgaccacgtt cccacacaga tgaagtgg 268

<210> 1508

<211> 159

<212> DNA

<213> Homo sapiens

<400> 1508

aaagatggca aggcaataaa tgtgttcgta agtgccaacc gactaattca tcaaaccaac 60
 ttaatacttc agaccttcaa aactgtggcc tgaaagtgtg atatgttaag agatgtactt 120
 ctcagtggca gtattgaact gcctttatct gtaaatttt 159

<210> 1509

<211> 234

<212> DNA

<213> Homo sapiens

<400> 1509

ccattgtgga gtacattatg aacacaatgt gcttgykaag tcttctctct cattttcaga 60

cagcaattgt taagagtcac acacacgtcc cagacctaag cagcaactcc agtgaatggt 120
 actcagacac actcacggga cagcacagaa cttgattctt ctttgtctgt tgcccaaaga 180
 acctgttctt tgagtctgtt ccaggtgact tgtaatgata cctcttacgg tttt 234

<210> 1510
 <211> 437
 <212> DNA
 <213> Homo sapiens

<400> 1510
 aaagcagtac atcttaatat gaagacagga atttctatga tgcttacgaa cattagactc 60
 aacatttttg cagccccctt tcctgggtcta cattcacaca aacatgagac acagtcccaa 120
 gggagaaaca gatgctggag gagcatttag ggccagagtg gaggcacaga ggaagctggg 180
 atttttcaac taccacctcc ttggttactc ctgggattcc cttaggattt cacggcacia 240
 ccagcgaaga gtttgctcag attcacttcg gagtagccac ttcgggacaa gaattgctct 300
 gctgtgttct tgagttttct gtagtcctgc agaactttgg gggtaaaaaa ttgcttcttc 360
 aatttatctt tctcatgac ggtagtaagt ttctccagtg cacactccgc atcaaaaatg 420
 taccggtaaa agcacag 437

<210> 1511
 <211> 94
 <212> DNA
 <213> Homo sapiens

<400> 1511
 tgtgaagatg gagtctgagg ggggtgcaga tgactctgct gaggaggggg acctactgga 60
 tgatgatgat aatgaagatc ggggggatga ccag 94

<210> 1512
 <211> 493
 <212> DNA
 <213> Homo sapiens

<400> 1512
 aaaaatatgc attacaactg gagttttcca ctgagaataa gagtttggtt ttgacctcmc 60
 ataaatccaa gggttcttga aaaaaaagtt aatataaatt ctcaataact atatcatata 120
 taccttatgt atacatagga gtttatataa tgcatttaag taacaaagaa tgtaacattt 180
 attagccacc aagtaattag gagatagcat caattatatt gaaagaagat gagtttagat 240
 gcttatagtc aaggaggtta attgaaattg aaagctattg taggtgggta ctactattat 300
 tatcaaacct gaaagttgga acatgtgaac ttgatccttt gcacacataa aagttcacaa 360
 agctgctttt aatttgcctt tgttctgtag tactgcttgg tgaatcatgc actagtttgt 420
 tgtaaaattc atgtaaactt ttatgtatac aaatgtcaga tcaagcacag gttttattaa 480
 ttatatatat ttt 493

<210> 1513
 <211> 510
 <212> DNA
 <213> Homo sapiens

<400> 1513
 aatgaggat tattgatagt actcttggtt tttataccat tcagatcact gaatttataa 60
 agtaccatc tagtacttga aaaagtaaag tgttctgcca gatcttaggt atagaggacc 120
 ctaacacagt atatcccaag tgcactttct aatgtttctg ggtcctgaag aattaagata 180
 caaattaatt ttactccata aacagactgt taattatagg agccttaatt tttttttcat 240


```

agagatttgt ctaattgcat ctcaaaatta ttctgccctc ctttaatttg gaaggtttgt 300
gttttctctg gaatgggtaca tgtcttccat gtatcttttg aactggcaat tgtctattta 360
tcttttattt ttttaagtca gtatgggtcta acactggcat gttcagagcc acattatttc 420
tagtccaaaa ttacaagtaa tcaaggggtca ttatgggtta ggcattaatg tttctatctg 480
attttgtgca aaagcttcaa attaaaacag 510

```

```

<210> 1514
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 472
<223> n = A,T,C or G

```

```

<400> 1514
ctggagatca ggaatagaac ctttccaaga tatcataata ttttctttat aggaacactg 60
agtaatggca agaataattt gagcttttcc atgggttaaga gcgatatgtct cagaggctgg 120
agaaaatggt cattctgctc agtgatccag gagtgtgagg acagtagctt cctttccacg 180
tccacaagac aatgacagat gtgtttcctt ctttgccctt tctagggatc tttctaggga 240
tggtgattct ctcacaatat ttcaatgtcc catttctgtg tttcttctcc ctccaggggc 300
tgatttacga ttacatgagt cttgtcacia taatttcttc ctttaacatc aaggacaagt 360
tgatcactga gataagagct gatagttcca tttttattca gtctccactt ctgcctgaat 420
tgcccatggt cagtccatag agctacttta gctccagggt tgggtcccggc cnccatcaca 480
tcaagaactg gtttcactgg gccttggatt a 511

```

```

<210> 1515
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<400> 1515
aaaggggaag gkgaractta aaagtattcc caactagatt atctacacca atacattgga 60
actctatat ttgctttcat ttigtcttaa aaaaatgaaa tagcaacgct ctatcagtca 120
cacagaggac atgcarattt agcagtattg atattatact ctatcttggt ggattt 176

```

```

<210> 1516
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<400> 1516
ctggggaaaa ccgtgcatta cctgcccata ctgttcatcg accagctcag caaccgcgtg 60
aaggacctga tggtcataaa ccgctccacc accgagctgc ccctcaccgt gtcctacgac 120
aaggtctcac tggggcggct gcgcttctgg atccacatgc aggacaccgt gtactccctg 180
cagcagttcg ggttttcaga gaaagatgct gatgagggtga aaggaatttt tgtagatacc 240
aacttatact tcctggcgct gaccttcttt gtcgcagcgt tccatcttct ctttgatttc 300
ctggccttt 309

```

```

<210> 1517
<211> 182
<212> DNA
<213> Homo sapiens

```

<400> 1517

```

ccaacatcta attttttttac tttttaatta tagctgttgt gactgatgtg agatggcatc 60
ttactgtggt ttttgcttgc atttatttat ttgatgatta gtaaggatga gtgttttttc 120
atatacttga gtgtcttctt ttgagaaaat atctgttcat gtcctttgcc ttttcttgat 180
tt                                              182

```

<210> 1518

<211> 548

<212> DNA

<213> Homo sapiens

<400> 1518

```

cctgagggag agggaaaagc ggatacccac ctgtgtcgtc gtttgcggtc caagtccagg 60
aacagtccat acagccctgc tgcacccac gacgctgtca caaagcagga gttcatccga 120
ggccaagggt ttgtcatgag aatattcggt aaagtaggga cgctgacttt gttcttgggc 180
agattctctt cctgtggagt atccagcctg tttgcctagt tttcctgttc ttctgggggc 240
tgatctctat ctgttttact gcagtccagt taccaaagtg gtataagtaa aattgaaaga 300
attctaaata cctttttccc ccacgttagc tgcctcacgt taatgtgggc ttacgggtctg 360
caaataagtg ttttgatgat ttggcgactg cagttaccca tactagctct cctaccactc 420
actactgaca gttaattatt atcgaatata caccacacca gggtaggtta taagttatac 480
caggtgtttt ggtaataaat actaatgcaa ttaatttact ggttactctc tcatcttaaa 540
gtaatcag                                              548

```

<210> 1519

<211> 491

<212> DNA

<213> Homo sapiens

<400> 1519

```

ctggtgaagg acggcttcct ggtggaagtg tcagagagct cccggaagct gcggcacgtc 60
ttctctttta cagatgtcct actgtgtgcc aagctgaaga agacctctgc aggggaagcac 120
cagcagtatg actgtaagtg gtacatcccc ctggccgacc tgggtgtttcc atcccccgag 180
gaatctgagg ccagccccc a ggtgcacccc ttcccagacc atgagctgga ggacatgaag 240
atgaagatct ctgccctcaa gagtgaaatc cagaaggaga aagccaacaa aggccagagc 300
cgggccatcg agcgctgaa gaagaagatg tttgagaatg agttcctgct gctgctcaac 360
tccccacaa tcccgttcag gatccacaat cggaatggaa agagttacct gttcctactt 420
gtcctcggac tacgagaggt cagagtggga gagaagcaat ttcagaaact acagaagaaa 480
ggatcttcag g                                              491

```

<210> 1520

<211> 169

<212> DNA

<213> Homo sapiens

<400> 1520

```

ctggtactgt cgatttggaa agctggctgg aaaaaactta ttcataagag ggctgatggt 60
gtgggacagg gccaggattc ccagcacgaa gaaatacatg gacagcagga ggttgatgta 120
ctcctgggag aatattttga aaaagaggta gagccccaag agtgtgcag 169

```

<210> 1521

<211> 293

<212> DNA

<213> Homo sapiens

<400> 1521

```

aggacgacgc tgtcrgargc agggagagca aattaccaca gcttcttggc ccagttctgc 60
ccttcttttg tttgggattg cactggggcca tcagctcatg ccaggctatg ggggcagcca 120
gttggcattg ctccccagac tgaacagaaa cctggccgcc ggatgggacc tcctttggca 180
cagacttgac tgtgtaactg cataaactgc agtagcatca ttgccctaga tgccccagga 240
gacctggcac catgaggatt acagacagtg gaatcttact gtcattctgga cag          293

```

<210> 1522

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1522

```

ccacgtggga ctttgaagac agcacaacac agtccttccg ctggcatccg ctccggggcca 60
aggcggagaa atacgaagac agcgttcctc agagtaatgg agagctcaca gtccggggcta 120
agctggttct cccttcacgg cccagaaaac tccaagaggc tcaagaaggg acagatcagc 180
catcacttca tgggtcaactt tgtttggtag tgctaggagc caagaattta cctgtgcggc 240
cagatggcac cttgaactca tttgttaagg gctgtctcac tctgccagac caacaaaaac 300
tgagactgaa gtcgccagtc ctgaggaagc aggcttgccc ccagtggaaa cactcatttg 360
tcttcagtgg cgtaacccca gctcag          386

```

<210> 1523

<211> 178

<212> DNA

<213> Homo sapiens

<400> 1523

```

aaaaagccta tcccatactg aattgtggga acctatgaag tgtctcttaa tgtcaattaa 60
aagtaacagt ggctgcagat attgatttct gaaagtacat gagaatttgt ctctaactat 120
ggttgaaaca acaaaaaccaa atctgaatca ggtagaggtc taccagacac aaactctg   178

```

<210> 1524

<211> 319

<212> DNA

<213> Homo sapiens

<400> 1524

```

wycacagcwg aaatggggca ctgaagtgtg gagscacaka atgcggggagg gcagaaccac 60
agacaggagg ctgagattga cctcctgagt gcaagctggt ctccccttca cctcctgcac 120
cctacgcaga tgggtgcttac cataggattg ccgtaaaaaca gagacacgca ccagcgagaa 180
actttagccc ttagtatccc atcctcagga cagaatcact cttaaacadg ttgaaatata 240
tctgctttaga gcttttctat gtgtctatat aatgtatgca taatatacaa ttagaagcat 300
gtgattttat aacattttt          319

```

<210> 1525

<211> 467

<212> DNA

<213> Homo sapiens

<400> 1525

```

ccagactaga cagagatcag gtcattcagg gagcttccga gcttcagcaa agcccacagg 60
tagctctgcg aactcagaat gctaccctac cttccctgca ggccgctggt catgtctgga 120
ctcctggggg cgctatttaa tgtttaccac catctccagt gcccctcca aggctgtgca 180

```

```

gtgtcttggg gctctcaggg ccaacatcga agagatgggg gccacctctt aacacctggc 240
aacagtctcc cctcatcctg attcctgaca acagacaaaa caccggtttc tagggtttat 300
ctgtttgttt tttgagttga gggttcctca gggccttggc attgctagtg atggteccct 360
ttgctgtgtg agaacccccct caaccccttc ctccctccctc tggggatgaa gtgggagtat 420
ttggctcccc atttttgaca aaagggctca gtgcaggagg gtggagg 467

```

```

<210> 1526
<211> 439
<212> DNA
<213> Homo sapiens

```

```

<400> 1526
aaactgttta ctggagaaaa tctcgcctca tgtccattta ttgttttttt ctgtactgtg 60
atttgtttca agcttaggaa aactagtata ttagagtatg ttctaggaaa ttaaaagatc 120
tggtagagat aaaaagttct ttttaagggt cttactaat tttttcacia ctaagaaaat 180
aaatgaagta ttcttaggct gaaattcatc ttattttatc ataaattaga ttgtaggggc 240
agcctacatt tttgtgtatg tggtttttatt tcttaaata ga ttgtgtgagc ctggtgacat 300
tttatgggtc ttgtgatcta aactgttttt ccaattcaca tcttttgtcg tgaagtgata 360
ttatactaga gtactgtttg cattgtaaaa atgctttgct ggtgctctgg cattttgtct 420
ttatctcatc acctaattt 439

```

```

<210> 1527
<211> 609
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 582
<223> n = A,T,C or G

```

```

<400> 1527
ctggagaact tgggctccat taggtgcaat cggttgagta attagcccat cttttacatt 60
tcttgccaca aaatctcgaa gagctgccat ttcagggttc gacagtgaat acacatgtcc 120
actgggaata ctgtgtgctc caggtatcat ttctatgtga gggcacaaca ggcgggtgatc 180
tgggtagacg tgctcatcta ctggagtgtg cacattcttg acatagtaat acctcactgg 240
ttggtaaact ctgtatccat ctactggata atagagtggc ggttgtggtg ctggtggtgg 300
gagcgatggt ggtattggag aatacatccg gcagtggtag cggcagtatt cagaatcaaa 360
gacgatagat cgagtgtctc atgtgatatt gggatcatgt gtgctcagcc agcgaacccc 420
taggacgaca gggaagaatg gagactgagt cacatcaaat gacagcacct ctcggtgatc 480
tcccagggtc actatcaggt cgtgagtttc gtggacaact gggcccgatg ctatggggcg 540
cccatcaatt gcttccacaa gtattggacc cgcccgggag gncgctcgca agggccgaaa 600
ttccagcac 609

```

```

<210> 1528
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<400> 1528
tgatgtaatg aattcatatt tattgatata gaaaaatat atataatcca tctaaaaagc 60
aagttacaaa acagtgtaca gtgtaccata gtacctatga acacaattag tgaagtaatt 120
tgcagagcta taatacaaaa tcagaaatta ttttggtaat gaatttatga ttttcctcgt 180
tttctgattt tttccatgat ctcatatact ttattctcag aaaacaaaag aaaaaacccc 240

```

```

acacatacac aaaaataaac gagtaacttc tttacaaccc cagaggctaa gtcagtggga 300
aaagagggaa atgaatgggt atgagcataa acacagggac aaataaaaga agtttggagc 360
acagagaaca attcacaat cagaagtcac ttt                                     393

```

```

<210> 1529
<211> 143
<212> DNA
<213> Homo sapiens

```

```

<400> 1529
atccgataga atccagttca atgaccttca gtctttactc tgtgcaactc ttcagaatgt 60
tcttcggaaa gtgcaacatc aagatgcttt gcagatctct gatgtgggta tggcctccct 120
gttaaggatg ttccaaagca cag                                     143

```

```

<210> 1530
<211> 636
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> 330, 504, 583, 591, 625
<223> n = A,T,C or G

```

```

<400> 1530
gtggagaagc ggcttggtcg ggggtggtct cgtgggggtcc tgcctgttta gtcgctttca 60
gggttcttga gccccttcac gaccgtcacc atggaagtgt caccattgca gcctgtaaatt 120
gaaaatatgc aagtcaacaa aataaagaaa aatgaagatg ctaagaaaag actgtctggt 180
gaaagaatct atcaaaaagaa aacacaattg gaacatatct tgctccgccc agacacctac 240
attggttctg tggaattagt gaccagcaa atgtggggtt acgatgaaga tgttggcatt 300
aactataggg aagtcacttt tggtcctggn ttgtacaaaa tctttgatga gattctagtt 360
aatgctgcgg acaacaaaca aagggaccca aaaatgtctt gtattagagt ccaattgatc 420
cgaaaaacaa tttaattagt atatggaata atggaaaagg tattcctggt gttgaacaca 480
aagctgaaaa gatgtatgtc ccmnctctca tatttggaca gctcctaact tctagtaact 540
atgatgatga tgaaaagaaa gggacagggt gtcsaaatgg ctnttgagcc naattgtgta 600
acatattcag tacccaattt actgnnggaa acagcc                                     636

```

```

<210> 1531
<211> 194
<212> DNA
<213> Homo sapiens

```

```

<400> 1531
aaaaggcaga gcattctttt ttcggcaatt ttgataagca aggtgtagat ttacattttt 60
gtccttgctc ccaacgaaat ggataaaca aaataactta ccatctactc atggaatggt 120
gttgtgttag ccagtctgaa ggccacactt aatttttata taactgtctt tagctcttct 180
tttgacaggg cagg                                     194

```

```

<210> 1532
<211> 300
<212> DNA
<213> Homo sapiens

```

```

<400> 1532

```

```

ccatacaagg taattttgac aggttcctgg gattaggaca tgggcatctt gggaggccac 60
tactggccta ccacaactgg gcagcaaaac tattacaccc tccggtataa tagttttggt 120
gtttcaatga ctgggaggaa aagggttgga attttttgct ttgggggtccc tcttaacctt 180
gtatttttta ggtctgggac tcaccaaccc tccccttcca accagagaaa ctcactgcag 240
tatctccttg aaagtctggt gacgagtctg tctaagtgct ggtgagaggc acaggaccaa 300

```

<210> 1533

<211> 521

<212> DNA

<213> Homo sapiens

<400> 1533

```

gttcctttgc accctgtaga tggttctagga tagttgatgc atgttactaa attacgtatg 60
caagtctgtg agtgcgctctg aggggacatc gccaaggact gactgagaca cgatgccgag 120
acctcaagcc ctgaggggca gtcccaaaac ccttacagtg aagatgttta ctcattgccc 180
ccacctctgg tccacactag aaagaagctc gccccacctc cacctgtgag atccgtgaat 240
tctcggaatg gcaggggaag ccttgcaacta gggtgcagag aagcatcctc cacatcctgt 300
gtcagaaaacc ctggtctccg tggcacttgt aactcaccgt gctgtcttct ggtctgtgtg 360
tggtcttcaa gccagctcta ggcttcaggc cgagccaggt tcacactcag aaagatgtct 420
ccccatcccc attcgggggt gacgatgggg ggctgatggc tgcccctgcg tggcctgagt 480
cctggtcctt ctgaggcagt tgacggggca gtcagatttt t 521

```

<210> 1534

<211> 181

<212> DNA

<213> Homo sapiens

<400> 1534

```

actcaagaag atgtatttaa tgcttgacaa taagagaaag gaagtagttc aaaaaataat 60
agagttgctg aatgtcactg aacttaccca gaatgccctg attaatgatg aactagtgga 120
gtggaagcgg agacagcaga gcgcctgtat tgggggggccg cccaatgctt gcttggatca 180
g 181

```

<210> 1535

<211> 544

<212> DNA

<213> Homo sapiens

<400> 1535

```

aaaataggac actaaatcct actctgaaag gtggtttgat caggactaaa gagaatgtat 60
gtagagtgtt ttgtgcaacg aattgtgggg agcttgacc caataaggta gccagaatta 120
cccacaccat catcatcttc accaccatca ttattgttat cgacatattc caatacactt 180
ctgaaggggt ggaagagaga aatatgtttg tgcagacagg cggcagcagt atttgatcca 240
ccaccacagc tccaccgctt gggggcagta ctgatccacc tgtgctcccc tccctgcccc 300
agcctggaaa gctaatttca gactcaaaaa aatcaagtac agagcagcgc acccactcca 360
atgagtcatc cccgccact ctagacaaca gcatgctcat gactcaaact atcttcgtga 420
atggttcaaa atatcaagaa ttggtttcca tagtttcttg actaaccaga cacaaaattt 480
cccctacatg cagagattca tgtctcaact tcaactgtac attaaactca accgggaaac 540
tttt 544

```

<210> 1536

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1536

```
ctgagttaag atggtaaagc caatattatt ttaggaggaa agaggacgaa ggccaatgaa 60
ccaacatctg cctgctatct ggtgcatcac ccaagggtgac caatggctgg gcacaaataa 120
acttctcttt tgctagccac agagttgctc actgtggcaa gcctgagctg gtcagaacac 180
ctgtgtgtgt gttcctgata cactactaacc acaataagca agtctgcaca catctctatg 240
agcccatgac aaagacaaga cattcccaaa gatcagtcac tagagtgcac caacgaaatt 300
caagatttga ccaaaacaga ccctgctgcc tcctaaattg ccaattgcct ctcaaaaact 360
tacagaaaaa gggacattat aagaattcat agaggggagag aagaaaaagc tgctactcct 420
agtcattagt acaatgtgct gtgttaatta gatacctcta tataaattag aaaaagtgtc 480
ttacttgcac gcttcaataa aatgaatact gagtgtcgta gtgttagatc tgtacagata 540
taaatttttt gcagctatat aaaagtgtat aagatgggct tttgccattt t 591
```

<210> 1537

<211> 341

<212> DNA

<213> Homo sapiens

<400> 1537

```
acttcggggc tccctctccc tgtgcagacc ggttgaataa atgataaaat tactgtttgt 60
gtcctctgtg aagtctggat taatggaaaa aaggatttgt gaggctagtc ttaggctgta 120
gccaatctgg tgtgcttttt gtgtcttcct gtatggttcc atgataagga ggaatacctt 180
aggatagaat gcaagcctag gaccccataa gcctgttggt caagccaacc agcaaactgg 240
gcagtaacaa acattgctgc aggtttccat tttgttttac gtccttggga gcttgacctt 300
gtaaccacgt ggcagtacct tcttttggcc tctgccattt t 341
```

<210> 1538

<211> 363

<212> DNA

<213> Homo sapiens

<400> 1538

```
ggacctgact ttgagtccat cagagacaaa gtgagtgaga tgcacataca gtgtttccag 60
acctgactca gcccatctgt ctgttaggaa actttatgaa gacgcccccc agaattaaac 120
cctaattcaa atgtctcact ctgaatagag accttctgaa ataactcttg tatagagacc 180
cagacacgtg ccttttgcct taaaataaaa atatttagcc catgttggtt tatgtatctg 240
tctttcagtt agttttgaag gcccgcacgg aaaagtgggg cctgtgcacc tgaaaagaaa 300
tgtgtatggt atgtgggtgt tggctcttcc tactagagtt atcttgataa ttgtgaagag 360
tggt 363
```

<210> 1539

<211> 371

<212> DNA

<213> Homo sapiens

<400> 1539

```
ctgtgggggt ccttccagag aggagctgag atacgcctac ctggaggggc ccctgggcct 60
ggaggggctc ctgagtgtga ctgggtgaag tgttttcaga ggaccagggt tgaggttggg 120
ggcatctcat ccagaccctg ccggcatctg cccagaacac caagggcccc tccttctctc 180
ctcctcaatg gaaatgctgg agatgtcctc agtcaccctc tgagcactca cacatcacc 240
cttatttgga aatttttctc actctaacct tccttctgct tgcaccttct gccccatccc 300
caggctctgg cctctctctc tcctcttcta cccttttagca ggtaatgact cagttcccac 360
tgaggagcca g 371
```

<210> 1540
 <211> 403
 <212> DNA
 <213> Homo sapiens

<400> 1540
 ctkgacgtga tggagcaggt gagcagtgcc cgtgggggctt gccagagggc tgaggaggac 60
 cctctctaac cagctccctg tcccccttct tctgtagctt gagttgaaga agacactgct 120
 ggacaggatg gttcacctgc tgagtcgagg ttatgtactt cctgttgtca gttacatccg 180
 aaagtgtctg gagaagctgg aactgacat ttcactcatt cgctattttg tcaactgaggt 240
 cagcaatgca ccgttggttt catgtttcat actgtttaca ctagcactgc cctttttggc 300
 ttaatttagt tcattttgta cctaactgag aactgtgctt tctgatgtag tgatgacaat 360
 gacagatact cgttttaccaa aaagcacctt ctgcctgcag cag 403

<210> 1541
 <211> 428
 <212> DNA
 <213> Homo sapiens

<400> 1541
 taaaacaaaa ctaaagaaga gaaaatatat tctcgtaaata tatctgaact taaaagatgg 60
 aagcctggag atagatttgt gataagccat tgctgagtag atcctagagt tcttgataat 120
 ttcagttggg taaattacaa tagtttgcta tttcctccct cacattttat gttctacagt 180
 atctagctgc ttgggttttc ctgtatacca tggggcttct gtcactctggg ctttactcag 240
 tggcatattc cctctgccta aaactctcct cccctctcca ccttagaagt agcttttcct 300
 agaacgggtt tcccagggtt tcacctaagg tgatagtaca atctacaggg acctgcacat 360
 gaagaccttt gcatacatgc caggaagttg gactttatct ttggaaaaag ggagcctttg 420
 aaggtttt 428

<210> 1542
 <211> 345
 <212> DNA
 <213> Homo sapiens

<400> 1542
 awttaaatgc ttagcaagca gcaattccac gatgggtcaaa ttcctaatat gagagaagta 60
 gaaataggaa aaatagggtca cctgatact tatgttttca ttttgcttaa tatacgtttg 120
 tatatttcaa tataacatta atagatatcg tgtcccttca cagttctaaa gtagtaagca 180
 aatgaatta atttaacctg tgcaattaaa accaattttg aagaatattg aggtagcaca 240
 ctgttacggg aattagtagt actcagtaat gcagttgaaa gttagtggtt cctaattccag 300
 tatgaatcat ggagatgaga gaaatgatta gataaagaga tattt 345

<210> 1543
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 1543
 aatattgaat ttctagaagc agtatattgc ttactgcttc ttaattacgt tatagatgag 60
 gtggaaatga taaaaactaa agaagcaaga ttaatcttta acacacattt caggctgttg 120
 taaaagaata aacaatgctt catataaact tctagcaaat gacttcctaa tgaggctctg 180
 aaacagtctt tagggcacgg aatgtcatca cataattaag cagctttaag cctttattaa 240
 aaggcttaaa gtcgcaaaca atgaaatctg aaacaaactg taccatatta aactttttga 300

tgatatttca aattcagtaa aagaaaaaaa ggatgggttca gaataacatc acgtatttcta 360
atcctgaaac acataacaaa tgcattctgaa acagcaattc ttaaaaaggt tttgcccttt 420

<210> 1544
<211> 306
<212> DNA
<213> Homo sapiens

<400> 1544
ctggcttcac tcctactccc tctctgctcg cagcacgtcg gccgccagct ctttgatgtg 60
ttcccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg caaagcgcag 120
gacaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac tgtttattct 180
ttgcagaaga gcttcattca ctttgttgga acccttttagc cgaaagcaga caagccccag 240
aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact caaactcatg 300
ggacag 306

<210> 1545
<211> 110
<212> DNA
<213> Homo sapiens

<400> 1545
ctgctccggg ccttcattct gaagatcagc gtgtgcgatg ccgtcctgga ccacaacccc 60
ccaggctgta ccttcacagt cctgggtgcac acgagagaag ccgccactcg 110

<210> 1546
<211> 239
<212> DNA
<213> Homo sapiens

<400> 1546
aaagaaatat gacacgggtg tggatattct aagagacttt tttgaactca gacttaaata 60
ttatggatta agaaaagaat ggctcctagg aatgcttggt gctgaatctg ctaaactgaa 120
taatcaggct cgctttatct tagagaaaat agatggcaaa ataatcattg aaaataagcc 180
taagaaagaa ttaattaaag ttctgattca gaggggatat gattcggatc ctgtgaagg 239

<210> 1547
<211> 527
<212> DNA
<213> Homo sapiens

<400> 1547
aaaaattcca gttgagattt ttctgggttct ctgtataaag attgactgga acatatacat 60
tttgggggtt atgtttggag actttggctc ttattcaaac cttccatttt agttggcttc 120
ttctgacagt gcttcagcat ggaagcaagg agggggcctc attactgcca ggtaagggtg 180
aaaatctagt ttctctgctg ggtctccatt gtcactaaga aaggaatggc tctgttattg 240
ctgggcaggg ttggctgttc caactgataa tcctatgtct gggagggcta ggagtgcctc 300
cttgctgttc ctcttggtgt ttccactgac agtggagtgg ccttggtact gctgggtggg 360
ggttgagagt tctggctctc tactagggag gacacaacct cagtgtagag aggcggggat 420
accttggttac tgtcaggcac aggcggaggt ccagtctcct tactccacct acccaacagg 480
gtagcttgag gcacttcatt attgcctagt gagagtggaa gtttagg 527

<210> 1548

<211> 333
 <212> DNA
 <213> Homo sapiens

<400> 1548
 ctgtgggcgg agctagtagg ggcgggggcta cgtgattgac acttctctcc tcagacttca 60
 agggctacca ctggaccctt cccctgtctt gaaccctgag ccggcaccat gcacggacgc 120
 ctgaaggtga agacgtcaga agagcaggcg gaggccaaaa ggctagagcg agagcagaag 180
 ctgaagctat accagtcagc caccagggcc gtattccaga agcgccaggc tggtagagctg 240
 gatgagtcgg tgctggaact gacaagccag attctgggag ccaaccctga ttttgccacc 300
 ctctggaact gccgacgaga ggtgctccag cag 333

<210> 1549
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 1549
 ttgacagtgt acgctggagc aggttccagg gtgggggctgc cctgccgcct gcctgctggt 60
 gtgggggaccc ggtctttcct cactgccaaag tggactcctc ctgggggagg ccctgacctc 120
 ctggtgactg gagacaatgg cgactttacc cttcgactag aggatgtgag ccaggcccag 180
 gctgggaccc acacctgcca tatccatctg caggaacagc agctcaatgc cactgtcaca 240
 ttggcaatca tcacagtgc tcccaaattc tttgggtcac ctggatccct ggggaagctg 300
 ctttgtgagg tgactccagt atctggacaa gaacgctttg tgtggagctc tctggacacc 360
 ccatcccaga ggagtttctc aggaccttgg ctggaggcac aggaggccca gctcctttcc 420
 cagccttggc aatgccag 438

<210> 1550
 <211> 204
 <212> DNA
 <213> Homo sapiens

<400> 1550
 aaaactaagt tattccaaca ctaaaagcat acaacagcat gccaacagta atatattatt 60
 ctccaagact ttacctatgt aagtgttcaa aactctgcag cattaaacaa cgtgtatgca 120
 aattgttatg gatacatctc agaattctaag aaatcaggca agtgcttaaa aggccaacgg 180
 tccaagggat tacatctgca gttt 204

<210> 1551
 <211> 132
 <212> DNA
 <213> Homo sapiens

<400> 1551
 ccatctgtgg atttgtctgt gcacctattg gctcttctag ctgactcttc tggttgggct 60
 tagagtctgc ctgtttctgc tagctccgtg tttagtccac ttgggtcatc agctctgcca 120
 agctgagcct gg 132

<210> 1552
 <211> 433
 <212> DNA
 <213> Homo sapiens

<400> 1552

```

ctgaatagag gtcaacacag ttgcgatggt gagggatggt ctccaagcac cttttggtgg 60
caatttgaga acatccagac aaatccttcc agcagaatca atgtttggat gataaattgg 120
agtgagaaat cggatctgag gaggttcaaa tgggtacctc tcaggaatga taacttctag 180
cttaaaaaca cttttctcat aagggtgtgtt ggctccacct aatatttgag ctgcgagggtc 240
atccatttgg tctttatctt gccaacatgt gatgcctggg ggtggctctg tggctaacat 300
gtgcagctct ctcttcagac gtgaagctct ctgcatgac cccaagtaga aggaaccaca 360
cacagttcac tgctccacac taagagctgs ctgggatgca ctgagctgac acccctcaca 420
acgcagcaac gcg 433

```

<210> 1553

<211> 316

<212> DNA

<213> Homo sapiens

<400> 1553

```

gagcaagggtc tgctgagaac agacccagtc cctgaggaag gagaagatgt tgctgccacg 60
atcagtgccca cagagaccct ctcggaagag gagcaggaag agctaagaag agaacttgca 120
aaggtagaag aagaaatcca gactctgtct caagtgttag cagcaaaaga gaagcatcta 180
gcagagatca agcggaaact tggaatcaat tctctacagg aactaaaaca gaacattgcc 240
aaaggggtggc aagacgtgac agcaacatct gcttacaaga agacatctga aaccttatcc 300
caggctggac agaagg 316

```

<210> 1554

<211> 542

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 517, 532

<223> n = A,T,C or G

<400> 1554

```

aaaggaatta ttctggcagc acatgtagta ttcttggatg atcttgctgc tcttatttct 60
ccttttgtgt gtgtgtgtgt gtgtgtggct atgggttttc atttgtaact ccatctgctt 120
argagagtgg gctctctata agggaaacctg ctgtaaactt cattgcagca aggatgtaga 180
gagaaatagg acttaattcc actaggggct ctcatctcac accttaagga ggagatttct 240
agaaaaactg ggccagattt tctttgytct ccatcatttt aatgtggcag gctgytcagt 300
tttcttactc ttacctatgw gatatttctt cgtaacgtgt ccaaaaagaa aaaagaccca 360
atcagtgtct cttgactttg ttctttgatc cctcagtttc ttcttgattt cagcatgtgt 420
ccgggttcct aattttgggt atgagtttagc aaatttaacc attgtgtttg tgccctaccc 480
aggggactcc ccagtttctg acttgaagta gactganaag aatccacgag gngctatttt 540
gg 542

```

<210> 1555

<211> 117

<212> DNA

<213> Homo sapiens

<400> 1555

```

ctgtctgtgg cttcccatgt ctttctccaa agttatccag agggttgtga ttttgtctgc 60
ttagtatctc atcaacaaag aaatattatt tgctaattaa aaagttaatc ttcattgg 117

```

<210> 1556

<211> 111
 <212> DNA
 <213> Homo sapiens

<400> 1556
 ctgctgcagc cgcagtttct catccggagt gtaccccgtc atgtcgccgc tggtagcaac 60
 gcaaaaggac acggcgcacc ctcgaactac ggactagtta ctttaagcgcg c 111

<210> 1557
 <211> 454
 <212> DNA
 <213> Homo sapiens

<400> 1557
 cgaggactga tcctctagta ctaagtgact ggggatatta caytarccaa cattgggttga 60
 tacatacctk artmatcatw tgaggaygca gtgataarsg satawwmywg tatsatccya 120
 acaygyacta rctcaaaaac tagtgggggc ggattgatct cctgtgggac wkcacatgsc 180
 ctgaaagtga acatgmtcmt ratcacctgc agrgcttgag atggyccmca tkgcwgact 240
 ccgccccyac akttttttgaw tcwacwggag ttaggswgmt yctwgawtta kcctttctac 300
 ctgcctccyg akagrwgwcw wygastwga kgaatssatt gackkctaag rttakacttc 360
 cactaactct gtacgmtgar ctcttactaa tattegttac cacgctaaga ggctctgctc 420
 caggatctca tcgcgactgg aaggaacctc cagc 454

<210> 1558
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 1558
 aaagaagtgc agttgatatc taattttacac agtgaaacta gtgatagaaa ataactaatg 60
 aaaaaaaatc agagactggg ttccaattga ttgacaccta gatctgtcag cctctcttaa 120
 agaaagggga aggagaaaaa aaatctcatc atggaaggca gacaagagtc cacctgacag 180
 aggtggaatc tgatggaatc tgacccatt tcatgataaa cgagaggaaa cataaatgcc 240
 atctcaaata cttaaagcgat gtagtgtagc atgagtgact caatgcaaat tcacagagga 300
 aaagaagtta cggcttagga agtaggacaa taaatacaaa tatttcatct tatttaattg 360
 tgcattgactt cagtgaact accctttgca atgcaataaa tttt 404

<210> 1559
 <211> 266
 <212> DNA
 <213> Homo sapiens

<400> 1559
 aaactatcag aagagatgag agggaattga tctacaatac tagaatttta tgtgcagaca 60
 aatccacatc tggaaatgaa atcacagtaa gatattttcg ggagaccaa acataaaaat 120
 tgctagaata aatttgccac gaacgagtaa ctagacatta gaaattgact acatagatat 180
 agtaatacta aaagtgtgta aaacaagcaa acacaacaca cacattctca attctttttt 240
 tttctatcaa atatcttcaa cttttt 266

<210> 1560
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 1560
 aaaactcagt atcttctgaa ccagaggcat ttctgattag cccttcccta cctattttcc 60
 tagtatcact ctttaatcag cttggggagg tggcagcatt tcatggcctc cgtagtaact 120
 cacaatgctt cctgggggat tt 142

<210> 1561
 <211> 381
 <212> DNA
 <213> Homo sapiens

<400> 1561
 aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagtatg 60
 ggaaacaaag tttcaaaaca aagaaaagtt gagtaaaagg tgccccctct atggctcatc 120
 tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttcccact 180
 cactttgcaa ggaccactc attctgcaga aagacctaca agtctttctg gtctcaattg 240
 caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaatt 300
 gaaatcaaaa ttgtgtgctg gtctaaatat acatcttcgg cttcttcctt tttagtaagt 360
 atttttatatt cagatgtatt t 381

<210> 1562
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 1562
 ggagaaagga gaaccgtaca tgagcattca gcctgctgaa gatccagatg attatgatga 60
 tggcttttca atgaagcata cagccaccgc ccgtttccag agaaaccacc gcctcatcag 120
 tgaaattctt agtgagagtg tggtgccaga cggttcggtca gttgtcacia cagctagaat 180
 gcaggtcctc aaacggcgagg tccagtcctt aatggttcat cagcgaaaac tagaagctga 240
 acttcttcaa atagaggaac gacaccagga gaagaagagg aaattcctgg aaagcacaga 300
 ttcatttaac aatgaactta aaaggttgtg cggtctgaaa gtagaagtgg atatggagaa 360
 aattgcag 368

<210> 1563
 <211> 411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 32, 332, 333, 346, 361, 381
 <223> n = A,T,C or G

<400> 1563
 accwtrsaac tgcawttatt acctatgcta gntttggata agaamtgkyc wtayatgtga 60
 kagcaagagg gcacyaraws wrcttsaaca ccaawgggcm ktactwtata kawmcgawgg 120
 gcatgctwtm atgaccaact grmtgactgt ttgagaatgg acaargtgct agcgctaaac 180
 ctgtccttct tgaacrtggc ttgactaacg kcwttgatac gtttrccttca kkasaataact 240
 attactasac tttgktgctt gattaccgac tgggtgcactc ttgmtctcac ctatgargac 300
 agtgctttac acaaaactcrt akggaaaatt gnntttgtmc tgtganctac tcatcygaga 360
 nctccctaag ggctaacatt ncatgtttcc gtctcactag ctacacgttc t 411

<210> 1564
 <211> 602

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 597, 598
<223> n = A,T,C or G

<400> 1564
ctagttttaa gatcagagtt cacttttcttt ggactctgcc tatattttct tacctgaact 60
tttgcaagtt ttcaggtaaa cctcagctca ggactgctat ttagctcctc ttaagaagat 120
taaaagagaa aaaaaaaggc ccttttaaaa atagtataca cttattttaa gtgaaaagca 180
gagaatttta tttatagcta atttttagcta tctgtaacca agatggatgc aaagaggcta 240
gtgcctcaga gagaactgta cgggggtttgt gactggaaaa agttacgttc ccattctaata 300
taatgccctt tcttatttaa aaacaaaacc aaatgatatc taagtagttc tcagcaataa 360
taataatgac gataataactt cttttccaca tctcattgtc actgacattt aatggtactg 420
tatattactt aatttattga agattattat ttatgtctta ttaggacact atgggtataa 480
actgtgttta agcctacaat cattgatattt tttttgttat gtcacaatca gtatattttc 540
tttgggggta cctctctgaa tattatgtaa acaatccaaa gaaatgattg tattaannat 600
tt 602

<210> 1565
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 214, 291, 295, 345, 375, 442
<223> n = A,T,C or G

<400> 1565
ctagtccagt gtgggtggaat tcatccaggg ggctaccctt ggctctctgt tgccagtggg 60
catcatcgca gtgggtgtct tcctcttcct ggtggctttt gtgggctgct gcggggcctg 120
caaggagaac tattgtctta tgatcacgtt tgccatcttt ctgtctctta tcatgttggt 180
ggaggtggcc gcagccattg ctggctatgt gttnagagat aaggatgatg cagagtttaa 240
taacaacttc cggcagcaga tggagaatta cccgaaaaac aaccacactg nttcnatcct 300
ggacaggatg caggcagatt ttaagtgtct tggggctgct aactncacag attgggagaa 360
aatcccttcc atgtngaaga accgagtcct cgactcctgc tgcattaatg ttactgtggg 420
ctgtgggatt aatttcaacg anaaggcgat ccataaggag ggctgtgtgg aga 473

<210> 1566
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 24, 28
<223> n = A,T,C or G

<400> 1566
ctagttatta atagnaatca attncggngt cattagttca tagcccatat atg 53

<210> 1567
 <211> 136
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 91, 104, 117, 126
 <223> n = A,T,C or G

<400> 1567
 ttattgattt ttttttttca ctttcccat cacactcaca cgcacgctca cactttttat 60
 ttgccataat gaaccgtcca gccctgtgg ngatctccta tganaacatg cgttttntga 120
 taactnacaa ccctac 136

<210> 1568
 <211> 192
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 4, 16, 17, 48, 52, 57, 82, 91, 98, 109, 123, 151, 155, 162,
 166, 168
 <223> n = A,T,C or G

<400> 1568
 ttgngtctgt gtgagnnggt tgaccttctt ccatcccctg gtccttcnct tnccttnccg 60
 aggcacagag agacagggca gnatccacgt ncccatntg gaggcagana aaagagaaaag 120
 tgntttatat acggtactta tttaatatcc nttntaatt anaaantnaa acagttaatt 180
 taattaaaga gt 192

<210> 1569
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 358, 505, 511, 513, 547
 <223> n = A,T,C or G

<400> 1569
 ctagttctgt cccccagga gacctggttg tgtctgtgtg agtggttgac cttcctccat 60
 cccctggtcc ttcccttccc ttcccagggc acagagagac agggcaggat ccacgtgccc 120
 attgtggagg cagagaaaag agaaagtgtt ttatatacgg tacttattta atatcccttt 180
 ttaattagaa attaaaacag ttaatttaat taaagagtag gggttttttt cagtattctt 240
 ggttaatat taatttcaac tatattatgag atgtatcttt tgctctctct tgctctctta 300
 tttgtaccgg tttttgtata taaaattcat gtttccaatc tctctctccc tgatcgngga 360
 cagtcactag cttatcttga acagatatat aatttttgcta acactcagct ctgccctccc 420
 cgatcccctg gctccccagc acacattcct ttgaaataag gtttcaatat acatctacat 480
 actatatata tatttggaac cttgnatttg ngngtatata tatatatata tgtttatgta 540
 tatatngat tctgataaaa tagacattgc tattc 575

<210> 1570
 <211> 392
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10, 114, 374
 <223> n = A,T,C or G

<400> 1570
 ctagtccagn gtggtggaat tccgccgcca tcatgggtcg catgcatgct cccgggaagg 60
 gcctgtccca gtcggcttta ccctatcgac gcagcgtccc cacttggttg aagntgacat 120
 ctgacgacgt gaaggagcag atttacaac tggccaagaa gggccttact ccttcacaga 180
 tcggtgtaat cctgagagat tcacatgggtg ttgcacaagt acgttttgtg acaggcaata 240
 aaattttaag aattcttaag tctaaggagc ttgctcctga tcttcctgaa gatctctacc 300
 atttaattaa gaaagcagtt gctgttcgaa agcatcttga gaggaacaga aaggataagg 360
 atgctaaatt ccgnctgatt ctaatagaga gc 392

<210> 1571
 <211> 390
 <212> DNA
 <213> Homo sapiens

<400> 1571
 gaaggacgtt tgtgttgga ggcctggtat ccccggcact cctggatccc acggcctgcc 60
 aggcaggagc gggagagatg gtgtcaaagg agaccctggc cctccgggcc ccatgggtcc 120
 acctggagaa atgccatgtc ctccctggaaa tgatgggctg cctggagccc ctggtatccc 180
 tggagagtgt ggagagaagg gggagcctgg cgagaggggc cctccagggc ttccagctca 240
 tctagatgag gagctccaag ccacactcca cgactttaga catcaaattcc tgcagacaag 300
 gggagccctc agtctgcagg gctccataat gacagtagga gagaagggtc tctccagcaa 360
 tgggcagtc atcacttttg atgccattca 390

<210> 1572
 <211> 383
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 368
 <223> n = A,T,C or G

<400> 1572
 ctgcagcttc tgctgctgag gccgggattg ctacgactgg gactgaagg gaaagaggtg 60
 gaatccgaag tcctgggact gcgggatgct aaacattgaa agctgggtgt aggcactgca 120
 gggagagtgt ggaggtctga cagggttaga atatgtggga gggctgggct aggaatggcc 180
 ttggaggctg gcctgtgtgg atatggcacc aattctaccc tgctcctctt ttccttttcc 240
 cagactcaga cgatgccttg ctgaagatga ccatcagcca gcaagagttt ggccgactg 300
 ggcttcctga cctaagcagt atgactgagg aagagcagat tgcttatgcc atgcagatgt 360
 ccctgcangg gagcagagtt tgg 383

<210> 1573
 <211> 149

<212> DNA

<213> Homo sapiens

<400> 1573

```
cctccagagc ctctctagtgc gcagagcagc tcacactccc tccgctggga acgatggctt 60
ctgcctagta cctatccttg tgtttctgat gcagtggtag cattgggttca agttctctcc 120
tgctgtgggc agagttgctt cgatgttg 149
```

<210> 1574

<211> 143

<212> DNA

<213> Homo sapiens

<400> 1574

```
ctgccaggct gaaaagaagc ctcagctccc acaccgccct cctcaccgcc cttcctcggg 60
agtcacttcc actggtggac cacgggcccc cagccctgtg tcggccttgt ctgtctcagc 120
tcaaccacag tctgacacca gag 143
```

<210> 1575

<211> 112

<212> DNA

<213> Homo sapiens

<400> 1575

```
ctgcatccac cctctttcag ggggtagagc cactatactt ctcatgtaga tcagccacat 60
tgtcactgga gactcggatc cagccatcct cccgcacgtg gtagagggtg ac 112
```

<210> 1576

<211> 198

<212> DNA

<213> Homo sapiens

<400> 1576

```
ccagtatgtc cccaggatta tgtttggtga cccatctctg acagttagag ccgatatcac 60
tggaagatat tcaaatcgtc tctatgctta cgaacctgca gatacagctc tggtgcttga 120
caacatgaag aaagctctca agttgctgaa gactgaattg taaagaaaaa aaatctccag 180
gcccttctgt ctgtcagg 198
```

<210> 1577

<211> 444

<212> DNA

<213> Homo sapiens

<400> 1577

```
cctgcctgga gccccagatc accccttcct actacaccac ttctgacgct gtcattttcca 60
ctgagaccgt cttcattgtg gagatctccc tgacatgcaa gaacagggtc cagaacatgg 120
ctctctatgc tgacgtcggg ggaatacaat tccctgtcac tcgaggccag gatgtggggc 180
gtcatcagggt gtcttgagc ctggaccaca agagcgccca cgcaggcacc tatgagggtta 240
gattcttcga cgaggagtcc tacagcctcc tcaggaaggc tcagaggaat aacgaggaca 300
tttccatcat cccgcctctg tttacagtca gcgtggacca tcggggcact tggaacgggc 360
cctgggtgtc cactgaggtg ctggctgcgg cgatcggcct tgtgatctac tacttggcct 420
tcagtgcgaa gagccacatc cagg 444
```

<210> 1578

<211> 294
 <212> DNA
 <213> Homo sapiens

<400> 1578
 ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
 ctaaccagta tatgcagaga atggcaagtg tacgagctgt gcccaaccct gtaatcaacc 120
 cctaccagcc agcacctcct tcagggttact tcatggcagc tatcccacag actcagaacc 180
 gtgctgcata ctatcctcct agccaaattg ctcaactaag accaagtccc cgctggactg 240
 ctcaggggtgc cagacctcat ccattccaaa atatgcccgg tgctatccgc ccag 294

<210> 1579
 <211> 295
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 176, 181, 182, 248
 <223> n = A,T,C or G

<400> 1579
 ccacaaagcc attgtatgta gcttttagctc agcgcaaaga agagcgccag gctcacctca 60
 ctaaccagta tatgcagaga atggcaagtg tacgagctgt gcccaaccct gtaatcaacc 120
 cctaccagcc agcacctcct tcagggttact tcatggcagc tatcccacag actcanaacc 180
 nngctgcata ctatcctcct agccaaattg ctcaactaag accaagtccc cgctggactg 240
 ctcagggngc cagacctcat ccattccaaa aatatgcccg gtgctatccg cccag 295

<210> 1580
 <211> 166
 <212> DNA
 <213> Homo sapiens

<400> 1580
 cttcttttatt ggggacatgt gggctggaac agcagatttc agctacatat atgaacaaat 60
 ccttttattat tattataatt attttttttgc gtgaaagtgt tacatattct ttcacttgta 120
 tgtacagaga ggtttttctg aatatattatt ttaagggtta aatcac 166

<210> 1581
 <211> 449
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 420
 <223> n = A,T,C or G

<400> 1581
 ctgaggcaac agaataaatg cagaggcatt acaatgaatc ccacttaata taaagaacta 60
 tacagaccaa cacttctcta caaaattttt ttttctcat tgccagttaa atacagagtt 120
 ttactttcat agcttaacaa tgaaggggtca tacactgaag ccaatacata tacctagcat 180
 ttcagtctaa gcttgtccac gtacatagct gaagtcaatt acaaggtttg gcctagaaat 240
 gctaggggaa cttcttttgta gttttttacag gtattaaact tcatcttgca cactgaagtc 300

atcatacata cagggcaaaa tcagagcttt tatatttgcg tttattcttc atttaacttt 360
 ttataacact actatagttt attaaaacaa aaaacaaaga gcaagtagtg agcatattan 420
 gattacagtc ctttcactca ttcacacct 449

<210> 1582
 <211> 302
 <212> DNA
 <213> Homo sapiens

<400> 1582
 ccaatgggct ttgctgtagc ttgctgaaat caccaagcag gagagattta accagaggcg 60
 atgtgtccag tcaccagcat agagccatcc tctgtgtcac catccacacg cagggccttc 120
 tggcagacct catgcaatgc cctccatggt aatattcatc agaaaatgga taattagggg 180
 ggccagcaaa aatatcaagg gtcaaataac gcacatttct gtttaggcca tctatggctt 240
 tcatctcttc tgaagtcaac tggaattcaa acacctgcac gttctgtctg atgcgctgct 300
 ca 302

<210> 1583
 <211> 170
 <212> DNA
 <213> Homo sapiens

<400> 1583
 ttcctgctcc gtgggaacca cgagtgtgcc agcatcaacc gcatctatgg tttctacgat 60
 gagtgcaaga gacgtacaa catcaaactg tggaaaacct tctactgactg cttcaactgc 120
 ctgcccacgc cggccatagt ggacgaaaag atcttctgct gccacggagg 170

<210> 1584
 <211> 368
 <212> DNA
 <213> Homo sapiens

<400> 1584
 ccagacgtgg tggctcacac ctgcagtcac agcaccttag gaggccgagg caggaggatc 60
 cttgaggtca ggagttcgag accagcctcg ccaacatggt gaaaccccat ttctactaaa 120
 aatacaaaaa attagccaag tgtggtggca tatgcctgta atcccaacta ctcagaaggc 180
 cgaggcagga gaattacttg aacgcaggag aatcactgca gcccaggagg cagagggttg 240
 agtgagccga gattgcacca ctgcactcca gcctgggtga cagagcaaga ctccatctca 300
 gtaaataaat aaataaataa aaagcgctgc agtagctgtg gcctcaccct gaagtcagcg 360
 ggcccagg 368

<210> 1585
 <211> 392
 <212> DNA
 <213> Homo sapiens

<400> 1585
 caaccctctc tcctcagcgc ttcttctttc ttggtttgat cctgactgct gtcattggcgt 60
 gccctctgga gaaggcctg gatgtgatgg tgtccacctt ccacaagtac tcgggcaaag 120
 aggggtgacaa gttcaagctc aacaagtcag aactaaagga gctgctgacc cgggagctgc 180
 ccagcttctt ggggaaaagg acagatgaag ctgctttcca gaagctgatg agcaacttgg 240
 acagcaacag ggacaacgag gtggacttct aagagtactg tgtcttcctg tcctgcatcg 300
 ccatgatgtg taacgaattc tttgaaggct tcccagataa gcagcccagg aagaaatgaa 360
 aactcctctg atgtgggttg ggggtctgcc ag 392

<210> 1586
 <211> 158
 <212> DNA
 <213> Homo sapiens

<400> 1586
 cctccactgc cagcctatgg ttgttcgcca ccaagccagg agtgctgcac cgcccagtgg 60
 tccccctcgg gctccaggcc cccactgaga ccctctcgga ggcagaagca cttcaccct 120
 cagagtccta caagtccaac cagtggacct ggaattgg 158

<210> 1587
 <211> 85
 <212> DNA
 <213> Homo sapiens

<400> 1587
 ccaatgtaca tgggtggacta tgccggcctg aacgtgcagc tcccgggacc tcttaattac 60
 tagacctcag tactgaatca ggacc 85

<210> 1588
 <211> 369
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 363
 <223> n = A,T,C or G

<400> 1588
 ccaggctacc ttcccactgg agacaggcag ggggacagggt gctaagggac ctggcaggca 60
 gggctggcag gccccatggc gcctgttcca gcagatgaca agcccagggtc agggtagagc 120
 gggcaggagg ggggacgagg gctcccacaa catgattttg tgtaaaatat ggcagcgaca 180
 cacgctcagg gccgggagggt ggggggttagg gtggggacgg cggcaacatc gtgtaaaaaa 240
 gtgtcccagt tcccatagca aagagagctg tgaccgggtg ttcagagctt ctccagtaca 300
 agggggaaag ccgcccggcg ggggcggcgg gcagggacat catttggttt cctggtgctg 360
 tcngtccga 369

<210> 1589
 <211> 361
 <212> DNA
 <213> Homo sapiens

<400> 1589
 ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggccgcg 60
 tacttggtgt tgctttgttt ggaggggtgt gtggtctcca ctcccgcctt gacggggctg 120
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
 agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg 240
 gcagccttgg gctgaccag gacggtcagc ttggtccctc cgccgaacag taaaaaggga 300
 ctgaggtgt tatcatagga ctggcagtaa taatcagcct catcttcagc ctggagccca 360
 g 361

<210> 1590

<211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 397
 <223> n = A,T,C or G

<400> 1590
 ctggagaagg tgtgcagggg aaaccctgct gatgtcaccc aggccagggt gtctttctac 60
 tcgggacact cttccttttg gatgtactgc atgggtgttct tgggtgctgta tgtgcaggca 120
 cgactctgtt ggaagtgggc acggctgctg cgacccacag tccagttctt cctgggtggcc 180
 tttgccctct acgtgggcta caccgcgctg tctgattaca aacaccactg gagcgatgtc 240
 cttgttgccc tcctgcaggg ggcactgggt gctgccctca ctgtctgcta catctcagac 300
 ttcttcaaag cccgaccccc acagcactgt ctgaaggagg aggagctgga acggaagccc 360
 agcctgtcac tgacgttgac cctgggcgag gctgacnaca accactatgg ataccgcac 420
 tcctcctcct gagg 434

<210> 1591
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 409
 <223> n = A,T,C or G

<400> 1591
 gctttcgcca gaaaatgttg catgtcaaac aatatgtgat ccatactgtg tgtegtcctt 60
 ggggggtttat ttgactttgt cacaatgaca gccaacagtg agactgataa gcctgtaaaa 120
 ataaaaaat aagactaatc aaatagacat ggcatthtaa tctcaaagtg caaaatcatc 180
 taactgaaaa tgacggcatt gagaaattcc agtgggttaa aatgaatcaa aacttcatta 240
 cgcaggcagt ggaagtgtgt tgaaagattt accaggggtg tcaagtttta gacactcaga 300
 aaggcaccat tctagccatc ttgattggat aacatgtata tacttatgtc cctacgatat 360
 tcaaaagata atactgtttt agtacaaaac aatcaaaca ggcaaagant caaaaccaag 420
 ccaaccctaaa tatccccag 439

<210> 1592
 <211> 74
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 53
 <223> n = A,T,C or G

<400> 1592
 tttttttttc taatgttcac agtccctgct ttatttccat ttgttcacac acnctttaa 60
 aaaaaaaaaa aaaa 74

<210> 1593

<211> 288
 <212> DNA
 <213> Homo sapiens

<400> 1593

```
ccatccgaag caagattgca gatggcagtg tgaagagaga agacatattc tacacttcaa 60
agctttggtg caattcccat cgaccagagt tgggccgacc agccttggaagggtcactga 120
aaaatcttca attggattat gttgacctct accttattca ttttccagtg tctgtaaagc 180
caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac acagtggatc 240
tctgtgccac gtgggaggcc gtggagaagt gtaaagatgc aggattgg 288
```

<210> 1594
 <211> 455
 <212> DNA
 <213> Homo sapiens

<400> 1594

```
ccacacagac tcaccaagcc acagacttgt cttccacaag cacgttctta ccttagccac 60
gaagtgacca agccacacgt actaaagggt gaactcaaag atatgtacag ggtattaaac 120
aaataccaag gggaacagtt aacttcaata caaggtcaaa atcagcaaca agttctacaa 180
tccagtgtctg atatcagata caagcttcaa ggacaatttc ttttcgaagg cttattccag 240
tttcgtgagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta 300
acccatgcag caaatgctac gcatctgctg agtccgttta gaagcatttg cgggtggacga 360
tggagggggcc cgactcgtcg tactcctgct tgctaatcca catctgctgg aaggtggaca 420
gtgaggccag gatggagcca ccgatccaca ccgag 455
```

<210> 1595
 <211> 367
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 360
 <223> n = A,T,C or G

<400> 1595

```
ccaggctacc ttcccactgg agacaggcag ggggacaggt gctaagggac ctggcaggca 60
gggctggcag gccccatggc gcctgttcca gcagatgaca agcccaggtc agggtagagc 120
gggcaggagg ggggacgagg gctcccacaa catgattttg tgtaaaatat ggcagcgaca 180
cacgctcagg gccgggaggt ggggggttagg gtgggggacgg cggcaacatc gtgtaaaaaa 240
gtgtcccagt tcccatagca aagagagctg tgaccgggtg ttcgagcttc tccagtacaa 300
gggggaaagc cgcccggcgg gggcggcggg cagggacatc atttggtttc ctggtgctgn 360
cagtccg 367
```

<210> 1596
 <211> 193
 <212> DNA
 <213> Homo sapiens

<400> 1596

```
ctgttcttca tgcgcctggt ggggaagacg cccattgaga cactgatcag agacatgctg 60
ctgtcgggga gtaccttcaa ctggccctac ggctcgggcc agtgaccatg acggggccac 120
gtgtgctgtg gccaggcctg cagacagacc tcaagggaca gggaatgctg aggccccggg 180
```

aggcccctcg agg

193

<210> 1597

<211> 145

<212> DNA

<213> Homo sapiens

<400> 1597

```
ccatgctgga tgttctgctg cttagacctg atctgctgcc aattaccagg ggcagggtcaa 60
ggatgacctt cttggatcca ggaacgctaa catagatcag taaggaatat tcaactcgaa 120
ggatgttgca gcccaggata gaagg                                     145
```

<210> 1598

<211> 445

<212> DNA

<213> Homo sapiens

<400> 1598

```
ctgcctataa aactagactt ctgacgctgg gctccagctt cattctcaca ggtcatcatc 60
ctcatccggg agagcagttg tctgagcaac ctctaagtcg tgctcatact gtgctgccaa 120
agctgggtcc atgacaactt ctgggtggggc gagagcaggc atggcaacaa atcccaagtt 180
agggctctcca atgagcttcc tagcaagcca gaggaagggc ttttcaaagt ttagttact 240
tttggcagaa atgtcgtagt actgaagatt cttctttcgg ttgaagacaa tggatttcgc 300
cttcactttc ctgtccttaa tatccacttt gttgccacac aacacaatgg ggatgttttc 360
acacactcgt accagatctc tatgccagtt aggcacattc ttgtaagtaa ctctcgatgt 420
tacatcaaac attatgatgg cacac                                     445
```

<210> 1599

<211> 142

<212> DNA

<213> Homo sapiens

<400> 1599

```
cctgccccag ggggaagcac ggacccgaga cgacggcgat gaggaagggc tcctgacaca 60
cagcgaggaa gagctggaac acagccagga cacagacgcg gatgatgggg ccttgcagta 120
agcagcctga caggagcaat gg                                     142
```

<210> 1600

<211> 297

<212> DNA

<213> Homo sapiens

<400> 1600

```
cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tcctcctggg 60
acagcgtttc gggagggttc ttggcctcac tgagagggat gtggagctgc tgtaccccgt 120
caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtcttg ctgcctatat 240
tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297
```

<210> 1601

<211> 289

<212> DNA

<213> Homo sapiens

<400> 1601
 ctggagatga tcctcaacaa gccagggctc aagtacaagc ctgtctgcaa ccaggtggaa 60
 tgtcatcctt acttcaacca gagaaaactg ctggatttct gcaagtcaaa agacattgtt 120
 ctggttgctt atagtgtctt gggatccac cgagaagaac catgggtgga cccgaactcc 180
 ccggtgctct tggaggaccc agtcctttgt gcctcggcaa aaaagcacia gcgaacccca 240
 gccctgattg ccctgcgcta ccagctacag cgtgggggtt tggtcctgg 289

<210> 1602
 <211> 398
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 274, 312, 329, 332, 368
 <223> n = A,T,C or G

<400> 1602
 gggagggcag agggagaatg ggaagatcag gaagctctag attacttcag tgataaagag 60
 tctggaaaac aaaagttaa tgattcagaa ggggatgaca cagaggagac agaggattat 120
 agacagttca ggaagtcagt cctcgcagat cagggtaaaa gttttgctac tgcattctac 180
 cggaatactg agaaggaagg actcaagtac aagtccaaag tttcactgaa aggcaataga 240
 gaaagtgatg gatttagaga agaaaaaat tatnaactta aagagactgg atatgtagt 300
 gaaaggccta gnactacaaa agataagcnc anagaagaag acaaaaattc tgaaagaata 360
 acagtaanga aagaaactca gtcacctgag caggtaaa 398

<210> 1603
 <211> 438
 <212> DNA
 <213> Homo sapiens

<400> 1603
 ctggtgatct gctttcttac cctaactctt gacaaatgag tcgtctacta ttttaaagag 60
 tctggaggtc tctgactctg ccataacaat aacctgctgt taatttataa cacagatttt 120
 tgtttggaag agccttattt gaaatacact ttgattcatt ttcttaaata tttatattct 180
 tttcttgctt acttcagggt tggtagctta gttggaagtg ccagcacctg gcacctattc 240
 atatagaaca ggctgtactc aagacaactt ctagcattta ctttaagact tatataattt 300
 atttctattt tgtgtgtact atagtcttgt gcatatgtag ttgaacacac agtgaaatat 360
 atgtctctct ttgtggatgt gcggcctaaa aatttgaatg tctggtgaga gagagccatg 420
 tgtataggtc agagaaaa 438

<210> 1604
 <211> 297
 <212> DNA
 <213> Homo sapiens

<400> 1604
 cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tcctcctggg 60
 acagcgtttc gggagggttc ttggcctcac tgagagggat gtggagctgc tgtaccccg 120
 caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac 180
 caagcctgac accgtaggct ctgctctgaa tgactctcct gtgggtctgg ctgcctatat 240
 tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg 297

<210> 1605

<211> 451
 <212> DNA
 <213> Homo sapiens

<400> 1605
 ggaaaggcta ttgttttctcg acagtttgtg gaaatgaccc gaactcggat tgagggccta 60
 ttagcagctt ttccaaagct catgaacact ggaaaacaac atacgtttgt tgaaacagag 120
 agtgtaagat atgtctacca gcctatggag aaactgtata tggtagctgat cactaccaa 180
 aacagcaaca ttttagaaga tttggagacc ctaaggctct tctcaagagt gatccctgaa 240
 tattgccgag ccttagaaga gaatgaaata tctgagcact gttttgattt gatttttgct 300
 tttgatgaaa ttgtcgcact gggataccgg gagaatgtta acttggcaca gatcagaacc 360
 ttcacagaaa tggattctca tgaggagaag gtgttcagag ccgtcagaga gactcaagaa 420
 cgtgaagcta aggctgagat gcgtcgtaaa g 451

<210> 1606
 <211> 272
 <212> DNA
 <213> Homo sapiens

<400> 1606
 ccggagccca cgggtggatcat ggctgccaga gcgctctgca tgctggggct ggtcctggcc 60
 ttgctgtcct ccagctctgc tgaggagtac gtgggcctgt ctgcaaacca gtgtgccgtg 120
 ccagccaagg acaggggtgga ctgcggctac ccccatgtca cccccaagga gtgcaacaac 180
 cggggctgct gctttgactc caggatccct ggagtgcctt ggtgtttcaa gccctgcag 240
 gaagcagaat gcaccttctg aggcacctcc ag 272

<210> 1607
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 1607
 ccaggctggt ctcaaactcc tcacctcaac tgatccgccc accttggcct cccaaagtgc 60
 tgggattata ggtgtgagcc accgtgccca aagttaagta tttttgatca agtgttttgt 120
 cttttgtgca aggcatttgt ggctctgtca tagcagagga aaacaaaaca tgcctatcaa 180
 atgaatcaag tccgacctct tctcatattg agcaactaga ggtctaggaa catttcccct 240
 acctgtcatt ctcatctggc ataccagggtg tacatactcc ttcttattct cctctgttac 300
 caagatgttg gccccattgg gtttgaggtc acgaacttca caaactccaa actcttggac 360
 ctcagtgttg aaggtgaggt catagcctag tgtggagaca tcattttcca gcagataaac 420
 cagaccttgg tagaagtggg aatc 444

<210> 1608
 <211> 189
 <212> DNA
 <213> Homo sapiens

<400> 1608
 caaaatccaa aacttctctt gaaaagtcca gggaccgtcc aggggagatg gggaggagat 60
 atggagttag tcacctgctc cagaagatgc cagcttctct ctccagggtg cttagttagc 120
 tttgccacc cctcactccc caggagctc tggggacagc ttctcgcac ccctgtccca 180
 cccacacag 189

<210> 1609
 <211> 426

<212> DNA
<213> Homo sapiens

<400> 1609

```
cttttgttat ccttagagga ctcactgggt tcttttcata agcaaaaagt acctcttctt 60
aaagtgcact ttgcagacgt ttcactcctt ttccaataag cttgagttag gagcttttac 120
cttgtagcag agcagtatta acacctagtt gggtcacctg gaaaacagag aggctgaccg 180
tggggctcac catgcggatg cgggtcacac ggaatgctgg agagatgtta tgtaatatgc 240
tgagggtggcg acctcagtgg agaaatgtaa agactgaatt gaattttaag ctaatgtgaa 300
atcagagaat gttgtaataa gtaaatacct taagagtatt taaaatatgc ttccacattt 360
caaaatataa aatgtaacat gacaagagat tttgcgtttg acattgtgtc tgggaaggaa 420
gggcca 426
```

<210> 1610

<211> 447

<212> DNA

<213> Homo sapiens

<400> 1610

```
cagggtctata gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatgggtg 60
acttcttggg agtggggggac caccagggtg cctaaggagg ggtgaacctg cctacgttgg 120
aaatagagct ggtcaaaact cctgtgctca tcagtagtag aattgcacct gtgaatagcc 180
accgccctcc agcatgggca acatagcaag accctgcctc ttaagataaa aattggaaaa 240
cactggtagg aaaaaaaggc tgtttggtct aaataagtct ggattgggta taaatgacac 300
aaaactatca tgaatttgaa agcatttcta atttcttgaa agtctgaaaa agtttaaaca 360
gaattttagc tgaaaagtcc tgaaagacat ttgaaaaaaa acagcaagaa cacttaaaac 420
tattcaaggt ttgggctggg cacagtg 447
```

<210> 1611

<211> 238

<212> DNA

<213> Homo sapiens

<400> 1611

```
ccaccggggt tgacctctct cgctagcagg gccacccag ctcactcccc gcgtcttcca 60
tcccctctag gattcccatt gtcccctact ccagcactag gcaggcacc ccagcccact 120
gcgactccca ccacgaagga cccagccct ctctcagcca acacggcccc gccaccgtc 180
tcagacatcg tgcttcttct ggtgggcccag gagtctctcc tcgtcgtcga aggtcttg 238
```

<210> 1612

<211> 293

<212> DNA

<213> Homo sapiens

<400> 1612

```
ctgctgcttg taccctcggg agagggtttc ccactctgag cgggtgggaa ggcaatgcca 60
aacatccggg aaaaataaaa ccactgtctc cacatgagct ggaactgtac gcccttgtg 120
ggtctcctca gggcgatggg agcgaatctc tgcaaaacgg taccattgtg tgcacacact 180
tagatcaatg cctgtcagag cttacaaca acgaatagca gtcttaatca acacagaggg 240
atctttttct ggggtctggc catccaacga aggagaccag tggcccccaa tgg 293
```

<210> 1613

<211> 224

<212> DNA

<213> Homo sapiens

<400> 1613

```
ctggattgac cccaaccaag gctgcaacct ggatgccatc aaagtcttct gcaacatgga 60
gactggtgag acctgcgtgt accccactca gccagtggtg gccagaaga actggtacat 120
cagcaagaac cccaaggaca agaggcatgt ctggttcggc gagagcatga ccgatggatt 180
ccagttcgag tatggcgggc agggctccga ctctgccgat gtgg 224
```

<210> 1614

<211> 439

<212> DNA

<213> Homo sapiens

<400> 1614

```
ctccaccctg gcgatggctc cctggtccta ctttctctct caaactggct ttttctcatt 60
cctttgactc cgccagactt cctcgcccc atgacctggt gttgtgtctg atcaccccaa 120
cattcctggc tgcccaatgt ggggcaatga agaccccagt gaaggaaatgc tagagtgtgt 180
gaaagtggag gacgcatcgt caaaggacac ctgaggacgt ctcaaagaag ctggcgggga 240
gagctgagcg ctcggaagaa ccaagaatca tctcttttga aaaatcgatt catcaaata 300
atcttcggcc aacaactgtt caagaaggat tcaaataatca caggttccaa gaagtaaagc 360
tttggaggtc aaaaaattag caatagaagc tgggttccgc catatagatt ctgctcattt 420
atacaaataa tgaggagca 439
```

<210> 1615

<211> 237

<212> DNA

<213> Homo sapiens

<400> 1615

```
aggcactcct ggaagtgggt cagtcagggt gcaaaaacat tgaacttgct gtcattgaggc 60
gagatcaatc cctcaagatt ttaaatacctg aagaaattga gaagtatgtt gctgaaattg 120
aaaaagaaaa agaagaaaac gaaaagaaga aacaaaagaa agcatcatga tgaataaaat 180
gtcttttgctt gtaattttta aattcatatc aatcatggat gagtctcgat gtgtagg 237
```

<210> 1616

<211> 266

<212> DNA

<213> Homo sapiens

<400> 1616

```
ctgggctcta gtttcattcc atctgtcatt ctcaggtaac agggacacat gtccaagtgt 60
tggtccccgt ggcatgattg tagctttgtt gataggcatt gcatcttttg tgtaatatgc 120
aataatggca tgaccagatt catgatatgc tgtgatgggt ttgtttttgt tatcaatttc 180
cacacttctt ctttcaggcc ccattagaat tttgtctttg gaaaactcca gctccttcat 240
ggtaaccatt tcttttccat caacag 266
```

<210> 1617

<211> 185

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 62

<223> n = A,T,C or G

<400> 1617

```
ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgaggc aggagtccga 60
gnaggtagt tgtggcaata aaaatgatta aggatactag tataagagat caggttcgtc 120
ctttagtgtt gtgtatgggtt atcatttggt ttgagggttag tttgattagt cattgttggg 180
tggtg                                           185
```

<210> 1618

<211> 354

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 201, 214, 225, 230, 232, 241, 245, 249, 278

<223> n = A,T,C or G

<400> 1618

```
ctgttaacag ataagtttaa cttgcatctg cagtattgca tgtagggat aagtgcttat 60
ttttaagagc tgtggagttc ttaaataatca accatggcac tttctcctga ccccttcctt 120
aggggatttc aggattgaga aatttttcca tcgagccttt ttaaaattgt aggacttggt 180
cctgtgggct tcagtgatgg ngatagtaca catntcactc agagngcatn tntgcatctt 240
ntaanatana tttcttaaaa gcctctaaag tgatcagntg ccttgatgcc aactaaggaa 300
atttggttag cattgaatct ctgaaggctc tatgaaagga atagcatgat gtgc       354
```

<210> 1619

<211> 170

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 145, 146

<223> n = A,T,C or G

<400> 1619

```
ctgtgctgtg gagagaagct gatgttttgg tgtattgtca gccatcgccc tgggactcgg 60
agactatggc ctgcctccc caccctcctc ttggaattac aagccctggg gtttgaagct 120
gactttatag ctgcaagtgt atctnncttt tatctggtgc ctccctcaaac       170
```

<210> 1620

<211> 386

<212> DNA

<213> Homo sapiens

<400> 1620

```
cctgttgatt gcatactgta gaagatttga tgttcagact gggttcttctt acatatacta 60
tgtttcgtct acagttggta aatttttgggt tttcttttgta ttaaattgtt aattgtattg 120
tctggaggaa aagacagagg tctaaaaata aagaaggagt acagtttggg catggtgggt 180
cacccttgga gtcctagcac tttggggggcc aaggcaggca gattgcttga gcccaggagt 240
tctagatgag cctgggcaac atagtggagc cccatctcta aaaaaacagt tttagggccca 300
ggcacagtgg ctcacacctg taagcccagc actttgggag gccgaggcag gcagatcata 360
agggcaagag attgagacca tcctgg                                           386
```

<210> 1621
 <211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 267
 <223> n = A,T,C or G

<400> 1621
 ccaattctgc cggttccccg tgggccaaca acactggggg tgtatgcgtc tggaaacctg 60
 tgatagtctt cggcttgcca gcctggccca ccacatccac tgcctggccc acacggacag 120
 acactggcaa tggccgcagc tcctcatcaa acgtaaccag cattcggggc tgcattggcag 180
 ccaccagccc atacaatata tagtgtgatt tgcctagaat aatgtttcga acatccagga 240
 aagagacaag cacagtgagc agtccancca cggccacctg gctcataagc tgccgggtcgc 300
 tgtggtaggg gcagagggta aggggtgccct tccctaaatg tgtcag 346

<210> 1622
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 1622
 ggaagtttgt gctctctgcg tggctaagtt ttccacctac taggacgggg gtgggggtggg 60
 gagaacaggt gtccttctaa aatacagcac aagctacagc ctgctgccag ccataaccca 120
 ggagtaacat cagaaacagg tgagaatgac cactttaact caccggggccc gtcgcactga 180
 aataagcaag aactctgaaa agaagatgga aagtgaggaa gacagtaatt gggagaaaag 240
 tccagacaat gaagattctg gagactctaa ggatatccgc cttactctta tggaagaagt 300
 attgcttctg ggactaaaag ataaagaggg gtacacatct ttctggaatg actgcatatc 360
 atcagg 366

<210> 1623
 <211> 165
 <212> DNA
 <213> Homo sapiens

<400> 1623
 ctgttgattg gctgtgacac tgctttgtgt catcttctta ccatgatcaa aggcgaagga 60
 agggatctct tttgggacat tgtgattgtt ttagcagaga gagaaagaga tgaaatacac 120
 ttcgggtttc tcttaaaaga tgcattgtatc atacagtgtc ttaag 165

<210> 1624
 <211> 227
 <212> DNA
 <213> Homo sapiens

<400> 1624
 ccaatgcccg gagcaggccc tctttccatc ccctgtcgga tgagctgggc aactatgtca 60
 acaaacggaa taccacgtgg caagccgggc acaacttcta caacgtggac atgagctact 120
 tgaagaggct atgtgggtacc ttcctgggtg ggcccaagcc accccagaga gttatgttta 180
 ccgaggacct gaagctgcct gcaagcttcg atgcacggga acaatgg 227

<210> 1625
 <211> 373
 <212> DNA
 <213> Homo sapiens

<400> 1625
 ctgtagcttt tgtgggactt ccactgctca ggcgtcaggc tcaggtagct gctggccgcg 60
 tacttgttgt tgctttgttt ggagggtgtg gtgggtctcca ctcccgccctt gacggggctg 120
 ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacttat gagacacacc 180
 agtgtggcct tgttggcttg aagctcctca gaggagggtg ggaacagagt gaccgagggg 240
 gcagccttgg gctgacctag gacggtcagt ttgggtccctc cgccgaacac ccgaagataa 300
 ttagtgctgt ctgttgagta acaatagtag tcaccttcat cttccacctg ggccccagtg 360
 atgggtcaagg tgg 373

<210> 1626
 <211> 367
 <212> DNA
 <213> Homo sapiens

<400> 1626
 ccagacgtgg tggctcacac ctgcaatccc agcaccttag gaggccgagg caggaggatc 60
 cttgagggtca ggagttcgag accagcctcg ccaacatggg gaaaccccat ttctactaaa 120
 aatacaaaaa ttagccaagt gtgggtggcat atgcctgtaa tcccaactac tcagaaggcc 180
 gaggcaggag aattacttga acgcaggaga atcactgcag ccctggaggc agagggttgc 240
 gtgagccgag attgcaccac tgtactccag cctgggtgac agagcaagac tccatctcag 300
 taaataaata aataaataaa aagcgctgca gtagctgtgg cctcacctg aagtcagcgg 360
 gcccagg 367

<210> 1627
 <211> 424
 <212> DNA
 <213> Homo sapiens

<400> 1627
 ctggataagg acatcaatac cttctctatg cgtgtcaggg tgtggtacgg gtatcacttt 60
 ccggagctgg tgaagatcat caacgacaat gccacatact gccgtcttgc ccagtttatt 120
 ggaaaccgaa gggaactgaa tgaggacaag ctggagaagc tggaggagct gacaatggat 180
 ggggccaagg ctaaggctat tctggatgcc tcacggtcct ccatgggcat ggacatatct 240
 gccattgact tgataaacat cgagagcttc tccagtcgtg tgggtgtcttt atctgaatac 300
 cgccagagcc tacacactta cctgcgctcc aagatgagcc aagtagcccc cagcctgtca 360
 gccctaattg gggaagcggg aggtgcacgt ctcatcgcac atgctggcag cctcaccaac 420
 ctgg 424

<210> 1628
 <211> 314
 <212> DNA
 <213> Homo sapiens

<400> 1628
 tcgactgtta tagcttagaa agcaacacta ctactatgag actataaaac attaaactat 60
 tttaagaaaa ccacgctgtg gaaaaatgga gccatttttg tcaaaaagtg gctcaaagca 120
 caaaactgct cagatgttca agagtcctag gagtctgggc tgcacagtat taaggggtga 180
 gaggagaccg acagcctgtt tgaatcaggg ttgtgagccc agctcatctg acaacttcaa 240
 agagcttctc tgcctataca ttccaccggt tagcataaga caccacttta cgctattttac 300

aagtctcctt ttgg

314

<210> 1629

<211> 393

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 284

<223> n = A,T,C or G

<400> 1629

```
ctggaccagc accccattga cgggtacctc tcccacaccg agctggctcc actgcgtgct 60
cccctcatcc ccatggagca ttgcaccacc cgctttttcg agacctgtga cctggacaat 120
gacaagtaca tcgccctgga tgagtgggcc ggctgcttcg gcatcaagca gaaggatata 180
gacaaggatc ttgtgatcta aatccactcc ttccacagta ccggattctc tctttaaccc 240
tccccttcgt gttttccccc aatgttttaa atgtttggat ggtntgttgt tctgcctgga 300
gacaaagggtg ctaacataga tttaagttga ataacattaa cgggtgctaaa aaatgaaaaa 360
ttctaaccce agacatgaca ttcttagctg taa 393
```

<210> 1630

<211> 317

<212> DNA

<213> Homo sapiens

<400> 1630

```
ctgcaagaat atcagaaaatc aatacaaaca agtattgaca ggtgttacag acatgcaaaa 60
tatccttcaa tgcaacgaat ttttaagaaa tcagctagcc tatattaatc agatgtttta 120
ggtcaaacca agtttccatc tcgggctcag tgaaatagta ttaactcatt gagtctcctt 180
tccccagga atgttgaggaa tggcagaaca gaaagagcta tcactcctta aattctttta 240
tgcgagtgtt actccaacac ttattttact tggtttactt ggaatgtatg agaggaaact 300
gatgtttttt acaatgg 317
```

<210> 1631

<211> 262

<212> DNA

<213> Homo sapiens

<400> 1631

```
ccttaggcaa gtcaccttac ttatctaaga ctgtttcccc acctggaaga tgccctacaa 60
gcctcctgtg gctgtgttta gaaagcatgc ccggcctttc ttgacagcca gccaccccag 120
atgatggcag ggcaaggaag actgttagga gtcagagtgc tcccctcagg tggaaggaaa 180
ctgggccaac tctactttgt aagccatagg gtgccaggta gcccgccac cctgagcctg 240
tgccctcact gccccgcgt gg 262
```

<210> 1632

<211> 138

<212> DNA

<213> Homo sapiens

<400> 1632

```
ctggaattaa ttcttcgaca actccagacc gaccttcgga aggaaaaaca agacaaggcc 60
gttctccaag cagaagtgca gcacctgaga caggacaaca tgagactgca ggaggagtcc 120
```

cagaccgcga cagctcag

138

<210> 1633

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 17, 55, 80, 81, 94, 95, 106, 107

<223> n = A,T,C or G

<400> 1633

```

ccttgaaggg acctcanagc aaaggaagag acctgggtgt ggtgaggcat cccanggcac 60
ggaagggacc gggtgtgctn ngggaatcca ctgnnccctc cttggnnaaa aaagcacaac 120
acatcataca tatttaccag accagaagcg ctggcccca gtctcccca cctggtcggg 180
ggaacctcct gg                                     192

```

<210> 1634

<211> 447

<212> DNA

<213> Homo sapiens

<400> 1634

```

ctgcttttaa aggtctttaa tcactcgaat accttgactt gagcttcaat cagatagcca 60
gactgccttc tgggtctccct gtctctcttc taactctcta cttagacaac aataagatca 120
gcaacatccc tgatgagtat ttcaagcggt ttaatgcatt gcagtatctg cgtttatctc 180
acaacgaact ggctgatagt ggaataacctg gaaattcttt caatgtgtca tccctgggtg 240
agctggatct gtcctataac aagcttaaaa acataccaac tgtcaatgaa aaccttgaaa 300
actattacct ggaggtcaat caacttgaga agtttgacat aaagagcttc tgcaagatcc 360
tgggggcatt atcctactcc aagatcaagc atttgcgttt ggatggcaat cgcattctcag 420
aaaccagtct tccaccggat atgtatg                                     447

```

<210> 1635

<211> 364

<212> DNA

<213> Homo sapiens

<400> 1635

```

gtttttatttg agacataaaa acacatgtgt ttctattaca tagtgtgggg tttagggtcc 60
tggttttctaa gacaagactt tatttcaccc tgtatcacag cttcctggga aatgaattag 120
ggagcaagag acggcctggc aagaaaatca ttattgttgc tgggaagttg caaagaaagg 180
ggagagttaa ttcaaattag tgtaacagag cccccaggat gaagagagtg gtgcagggaa 240
aaggtctaaa ttctgtgtgt tgggtggggac actggcacat cccacagcaa ggactcagcc 300
ctcaacggcg gcggctgggt cttgggaggg gagtggtggg agggtaaggg ctcctcagct 360
ccct                                     364

```

<210> 1636

<211> 399

<212> DNA

<213> Homo sapiens

<400> 1636

```

ctggctggct agactgtttg tgcgccaaga ggatggtcag cgctgctttc cagcctggct 60

```

```

ctgctggggc gctggcatct gggttcagttc caccattctc cctgctttct ttgccaagtg 120
tgatattcac ccaagggcac cagtctctat gctgagaggt gggatcaaag aagcttcggg 180
aagatgtgtc cgaactgctg gaggagcaga ggcgagctcg cttggctttc cgcagagggc 240
tagatggtac ctccaggcca ggggtgtctc ctgttcccat gcttcgggtc actgggagag 300
ttctggtggt ggggctagca gcctctggct caggacggtc aacaggactg gaagagtccc 360
agctccgagt tcgagagaca atgggaccag ggctctttt 399

```

<210> 1637

<211> 246

<212> DNA

<213> Homo sapiens

<400> 1637

```

ctgagctttc agcagataaa tcacagcaga aatagaatca ccctaggact ttcaatcaaa 60
agctggaagt ccaccttaca gaaagacaaa aagaaacccc tttttatata ttaacaaagc 120
aatagctctc aagcagcaga gcattctcag gaagaaagct tgcccggctc ccatcccatc 180
atgccagagc gtgcagtgtc cacccttgac tacgctgggg aattgctgat tttttgaaaa 240
agcttg 246

```

<210> 1638

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1638

```

ccaagagttc tccactgtga agactgaaag gacctgggtga catttcggca tcagtcctgt 60
taccacttgg aggtaacaga agcaggctcg tgcctcctt taattctacc acactacatg 120
actcgcaatt ggttctgaaa ttagaacggt caccatcgta cttaaaatct taggggcatg 180
aagagtcagc tagaacaagg aaaaagaaag tcgcaggtag taggtaagta ggtgggcaca 240
tgaaaagcca agctgctctg tccaacacca gtgtacatgt gctttaacta aatgaactcc 300
agaggccaac agcagcagac ctgctcaatt caccttccaa atcagaacaa gaccaaaaag 360
ctcaggcttg agttgtcaac tatgcatagg ttccgccagt gatgaggagc tcgtaagcag 420
gatctctact ccttctgcac aacacgatgc aag 453

```

<210> 1639

<211> 197

<212> DNA

<213> Homo sapiens

<400> 1639

```

tttgctgttc gtgatatgag acagacagtt gcggtgggtg tcatcaaagc agtggacaag 60
aaggctgctg gagctggcaa ggtaaccaag tctgccaga aagctcagaa ggctaaatga 120
atattatccc taatacctgc caccctctc ttaatcagtg gtggaagaac ggtctcagaa 180
ctgtttgttt caattgg 197

```

<210> 1640

<211> 278

<212> DNA

<213> Homo sapiens

<400> 1640

```

ccagagcggg gagtcccacc acctcgaact ctgggaattc gagccacagc tctgccagta 60
ccccaagact cagcactagt ctgatgacct gctaattcac tgacagcata gggctgtctg 120
ttgtttttgc gcaagttggt gtgaacaaaag ttcacaatat ctggtcgaat aggagccttg 180

```

aatacagcag gcaaagtgac attttttgcca gatgactccc ccttttcgga gtacaccgat 240
atcagtgggc gagcgcacgc catggcggac ctcggccg 278

<210> 1641

<211> 227

<212> DNA

<213> Homo sapiens

<400> 1641

ccattgttcc cgtgcatcga agcttgcagg cagcttcagg tcctcggtaa acataactct 60
ctgggggtggc ttggggccac ccaggaaggt accacatagc ctcttcaagt agtcatgtc 120
cacgttgtag aagttgtgcc cggcttgcca cgtggtattc cgtttggtga catagttgac 180
cagctcatcc gacaggggat ggaaagaggg cctgctccgg gcattgg 227

<210> 1642

<211> 299

<212> DNA

<213> Homo sapiens

<400> 1642

ctgcacatca aggacatctt caggaagtgc aggattgccg tagctaaact gaaaaccacc 60
atccatggac tctccaaacc aaacgtgttt cttctcagca ctagaatctg tccaccagtg 120
tttccgtgga acattcaaag gattggcact tatgcatgtt tccccagttt ccatattaca 180
gaataccttg atagcatcca atttgcaccc ttggtttagg tcaaccagc attctccact 240
cttgagttca ggatggcaga atttcaggtc tctgcagttt ctacgagggt ttttacgag 299

<210> 1643

<211> 301

<212> DNA

<213> Homo sapiens

<400> 1643

ccaagggcta caatgagcag cgcacacagc agaacgtgca gggtttttgag ttccagttga 60
ctgcagagga catgaaagcc atagatggcc tagacagaaa tctccactat tttaacagtg 120
atagttttgc tagccaccct aattatccat attcagatga atattaacat ggagagcttt 180
gcctgatgtc taccagaagc cctgtgtgtg gatggtgacg cagaggacgt ctctatgccg 240
gtgactggac atatcacctc tacttaaata cgtcctgttt agcgacttca gtcaactaca 300
g 301

<210> 1644

<211> 365

<212> DNA

<213> Homo sapiens

<400> 1644

ctggtgagcg aaggatggga gcagagaaca gagctaaaac ccctgggttt cctttcccca 60
gatgtaaagc ctgctagctg gaactcacag aagattggaa caaaaagata ggagatggac 120
acctggggga ctgctccagc acgaagggaa gcgatgagca tcacacagca gggccattgc 180
aggggacagg tgctgtaatt cctgcccaga gaacttgaaa gcttacagtg tgctcacagg 240
aaggaatcgg ctgagctagt ccagaaattg ctgcatttcc catattactt agttctttat 300
tcatcctgtg gttaaagagtc acccttggtt tccgtatcta taaaactgaa agacttaaaa 360
tttac 365

<210> 1645

<211> 249
 <212> DNA
 <213> Homo sapiens

<400> 1645
 ctggtgctgg aactgcagaa agttaagcag gagaacatcc agctagcggc agacgcccgg 60
 tctgctcgtg cctatcgaga cgagctggat tccctgcggg agaaggcgaa ccgcgtggag 120
 aggctggagc tggagctgac ccgctgcaag gagaagctgc acgacgtgga cttctacaag 180
 gccgcgatgg aggagctgag agaagataat atcattttta ttgaaaccaa ggccatgctg 240
 gaggaacag 249

<210> 1646
 <211> 433
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 398
 <223> n = A,T,C or G

<400> 1646
 ctgtggccgg attgatgggg ccccccacttc ctagggctga aggcaagttg aaggaagcag 60
 caggagtacc ggaatgaaaa ccttgtttct caaaggactg ctgggttttg gagtacacag 120
 aacccgagat atctggcacg cccgtgttac tggaggtgac tgaaacacca gtgttgatc 180
 catgagaccc atatccactc ggctgttgga aaggggtggc cgatgcattc aactgacat 240
 tcacaccatg ctgcttgga gaggtaggag ccacaggga cacagcaggc ccatactgga 300
 aggtgctggg gagggccggg acccctgtat agtatggcag gctgggtgaa actgtagcca 360
 ggaggcagcg ccgggttcag gaatgtctgc tgcgtggnat ggtgagtctg cgtctgggtt 420
 ctgttggggg tgg 433

<210> 1647
 <211> 451
 <212> DNA
 <213> Homo sapiens

<400> 1647
 ccagcttgca agcacgctgg caaatctctg tcaggctcag tccagagaag ccattagtca 60
 ttttagccag gaactccaag tccacatcct tggcaactgg ggacttgccg aggttagcct 120
 tgaggatggc aacacgggac ttctcatcag gaagtgggat gtagatgagc tgatcaagac 180
 ggccaggtct gaggatggca ggatcaatga tgtcaggccg gttggtagcg ccaatgatga 240
 acacattttt ttttgtggac atgccatcca tttctgtcag gatctgggtg atgactcgg 300
 cagcagcccc accaccatct ccaatgttac ctccacgagc cttggcaatc gaatccagct 360
 catcaaagaa tagcacacag ggggcagctt ggcgggcctt gtcaaagatt tctctgacat 420
 tggcctcaga ctccccaaac cacatgggtga g 451

<210> 1648
 <211> 176
 <212> DNA
 <213> Homo sapiens

<400> 1648
 cctaaacgag gatttcagct tccattatgc ccaactccag tccaacatca ttgaggcgat 60
 taatgagctg ctagtggagc tggaagggac aatggagaac attgcagccc aggctctgga 120

gcacattcac tccaatgagg tgatcatgac cattggcttc tcccgaacag tagagg 176

<210> 1649

<211> 435

<212> DNA

<213> Homo sapiens

<400> 1649

```
tgtggctgtg ccgttgggtcc tgtgcggtca cttagccaag atgcctgagg aaacccagac 60
ccaagaccaa ccgatggagg aggaggagggt tgagacgttc gcctttcagg cagaaattgc 120
ccagttgatg tcattgatca tcaatacttt ctactcgaac aaagagatct ttctgagaga 180
gctcatttca aattcatcag atgcattgga caaaatccgg tatgaaagct tgacagaccc 240
cagtaaatta gactctggga aagagctgca tattaacctt ataccgaaca aacaagatcg 300
aactctcact attgtggata ctggaattgg aatgaccaag gctgacttga tcaataacct 360
tggtactatc gccaaagtctg ggaccaaagc gttcatggaa gctttgcagg ctggtgcaga 420
tatctctatg attgg 435
```

<210> 1650

<211> 246

<212> DNA

<213> Homo sapiens

<400> 1650

```
ccatgtctgt attgtaactg gtaaaaggct tcaagtcaga ttgatgatca agaaaagtca 60
aaaccccagc ccaagattgg gaaagcagggt ggtgggtcca agctttttaa aaattattga 120
agctctccat cctgttctgt gagtgtgtct tctctttctc cttcacgtca tagccgtgac 180
ccaccgttca tctctgctct tgcgtaaaga tgaccgatgg agtccaaagc caagtggctt 240
caccag 246
```

<210> 1651

<211> 400

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 171, 172, 303, 344, 354, 357, 366, 367, 379, 391

<223> n = A,T,C or G

<400> 1651

```
cggcaagttc tcccaggaga aagccatggt cagttcgagc gccaaagaccg tgaagcccaa 60
tggcgagaag ccggacgagt tcgagtcagg catctcccag gctcttctgg agctggagat 120
gaactcggac ctcaaggctc agctcaggga gctgaatatt acggcagcta nngaaattga 180
agttggtggt ggtcggaaag ctatcataat ctttggtccc gttcctcaac tgaaatcttt 240
ccagaaaatc caagtccggc tagtacgcga attggagaaa aagttcagtg ggaagcatgt 300
cgnctttatc ggctcagagg aggaattctg cctaagccaa ctcnaaaaag ccgnacnaaa 360
aattanngca aaaagcgtnc caggagccgt nctctgacag 400
```

<210> 1652

<211> 338

<212> DNA

<213> Homo sapiens

<400> 1652

```

ctgggggtgc ccatcttctg tgctctgtgg tacatatctg tgtcgccaaa gtagcgtgcc 60
cggtagacga agccttcctt ctgctgcttc tccttccagc agttgttccg gaggttggcg 120
atataatcat cttccacatt ccgctcgact gttttgaggc tggagcctgt gtactcttcg 180
gagaaagtgt ctcccacata gtagacgaca cccagggtgg cagtgactcg cctgtggatg 240
tggcccacag acgggtcttg actcagactg taggggtggac tggagaccat gagctggctg 300
agagctgaca cgagaatcag gatgaggata ggcatacag 338

```

<210> 1653

<211> 167

<212> DNA

<213> Homo sapiens

<400> 1653

```

gcggtggagc cgccacaaaa atgcagattt tcgtggaaac ccttacgggg aagaccatca 60
ccctcgaggt tgaaccctcg gatacgatag aaaatgtaaa ggccaagatc caggataagg 120
aaggaattcc tcctgatcgg cagagactga tctttgctgg caagcag 167

```

<210> 1654

<211> 1034

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 88, 827, 882, 897, 905, 933, 945, 950, 955, 973, 976, 991, 999, 1010, 1022, 1023, 1024, 1033

<223> n = A,T,C or G

<400> 1654

```

atgcatgctc gagcgccgcg cagtgtgatg gatatactgca gaattcgccc ttagcgtggg 60
cgcgcccgag gtccaagagg gagataanac aaacttctca aacaaaaaga aaagaaaaac 120
gaatgattca tctgctttta tcagtgtgat taatgcagca cccattgccc cggaaccgt 180
ttctgctgta ctatctggat actaaaatgt tacggaagta gctctttgtt ctccctcact 240
ctgcccttag ttaatagaaa ttcagactcg ccaagtaagg ctttgtgcat agtgtcttca 300
tgtcgcgtat agttgagcgc gttcttagca gttggcttca tggacagctc attagtgttt 360
tgacttttct taccagcgt taattgaatt cttgctttta gacaacttcc tttttgtagt 420
ggtgaacctt gcccttttagt acagttcaag tgaatctgga taattgttca tctttgcttt 480
agcttagata ccatgtagtg gtctgtggct acaggaagct ggttctgtct gcttccacag 540
tctgcttaaa aaactgtctg acttcgtgaa tatagagacc aagtttacca cttctgatga 600
agagaccaat taagattcat tcctcattct gtttctttcc agtgggagaa gagtcccat 660
gaaataagat gaaactgatt ccatgcacta gtacatgtag gcttctccct tgcgcaaagc 720
ttaacaattt gtaggaaact ttgggtcttt ttgtcccaag aaaaaggaat gtcttgacag 780
gcttaaagct tttcgtcccc ttgcacctta aaactcgaaa gttaggnaaa atccctttaa 840
agggtttttt ttaatagcca gaacttccca aaaggaatgg cnttttaggg aatttcntag 900
ccatngcttt ttaaatttaa agaaattttt aanaaccttg cccnnggggn ggggncccg 960
tccaaaaagg gngngnaaaa ttccccagcc nacccttng gggggggccn cgttttcctt 1020
tnnngggggg aanc 1034

```

<210> 1655

<211> 487

<212> DNA

<213> Homo sapiens

<400> 1655

```

atgcatgctc gagcggccgc cagtgtgatg gatatctgca gaattcgccc ttctgagcgg 60
ccgcccgggc aggtcctact cttctccgtc cattgtacta tctgcccgtg gtggggatgg 120
cagtaggata atatttgatg acttccgaga agcatattat tggctccgtc ataatactcc 180
agaggatgcg aaggatcatgt cctgggtggga ttatggctat cagattacag ctatggcaaa 240
ccgaacaatt ttagtggaca ataacacatg gaataatacc catatttctc gagtagggca 300
ggcaatggcg tccacagagg aaaaagccta tgagatcatg agggagctcg atgtcagcta 360
tgtgctggtc atttttggag gacctcggcc gcgaccacgc taaggcgcaa ttccagcaca 420
ctggcggccg ttactagtgg atccgagctc ggtaccaagc ttggcgtaat catggtcata 480
gctgtttt                                     487

```

<210> 1656

<211> 514

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 55

<223> n = A,T,C or G

<400> 1656

```

atgcatgctc gagcggccgc ccagtgtgat ggatatctgc agaattcgcc cttancgtgg 60
tcgcggccga ggtcctaccc ataatccaga gaggtctgcc cagaggagga ctacgtgggg 120
gacgtgccac cagaacccta cttggggggcg ggatgtcact ccgaggtcaa aacctgctcc 180
gaggtggacg agccgtagct ccccgaaatgg gcttaagaag aggtgggtgtt cgaggtcgtg 240
gaggtcctgg gagagggggc ctaggggcgtg gagctatggg tcgtggcgga atcggtggta 300
gaggtcgggg tatgataggt cgggggaagag ggggctttgg aggccgaggc cgaggccgtg 360
gacgagggag aggtgccctt gctcgccctg tattgaccaa ggagcagacc tgcccggggc 420
gccgctcgaa gggcgaaatc cagcacactg gcggccgtta ctagtggatc cgagctcggg 480
accaagcttg gcgtaatcat ggtcatagct gttt                                     514

```

<210> 1657

<211> 605

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 78, 91

<223> n = A,T,C or G

<400> 1657

```

atgcatgctc gagcggccgc cagtgtgatg gatatctgca gaattcgccc ttctgagcgg 60
ccgcccgggc aggtccanac gctgacattg nttctgagtc cttaaagcagg aaggatttga 120
aatcctggag cttggcagtc ttgctcttca cctctaagcc aatgttgacc ccttcatcta 180
taaagtccac aactctccgg aagtcatact cacggaactg tcgagaagtt aaggctgggg 240
ccccaagccg caggccgccc ggtgtgatgg cacttcggtc tccaggacag gtgttcttgt 300
tggcagtgat ggatacaagc tctagcaccg gctcagcccg agctccatcc aggcccttgg 360
gccgcaggtc caccagcacc aggtgggttg cagtaccacc tgataccagt gagtagcctc 420
gccctagcag ggcattctgc atggcccagc cattcttcag aacctgcagg gagtactccc 480
ggaacatggg ggtgcaggac ctcggccgcg accacgctaa gggcgaaatc cagcacactg 540
gcggccgtta ctagtggatc cgagctcggg accaagcttg gcgtaatcat ggtcatagct 600
gtttc                                     605

```

<210> 1658
 <211> 784
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 3, 4, 10, 19, 22, 53, 76, 85, 87, 149, 184, 713, 747
 <223> n = A,T,C or G

<400> 1658
 agnnttccgn cgccctcna gntgcatgct cgagcggccg cgcagtgaga tgnatatctg 60
 cagaattcgc ccttanecgtg ggcgnangca tgacgctcgg gatcagaact aaaacaagtg 120
 agatcacccc tctaattatt tctgaactng gttaataaaa gcttataaga tttttatgaa 180
 gcanccactg tatgatattt taagcaaata tgttatttaa aatattgatc cttcccttgg 240
 accaccttca tgttagttgg gtattataaa taagagatac aaccatgaat atattatggt 300
 tatacaaaaat caatctgaac acaattcata aagatttctc ttttatacct tcctcactgg 360
 cccctccac ctgcccatag tcaccaaatt ctgtttttaa tcaatgacct aagatcaaca 420
 atgaagtatt ttataaatgt atttatgctg ctagactgtg ggtcaaagtgt ttccattttc 480
 aaattattta gaattcttat gagtttaaaa tttgtaaatt tctaaatcca atcatgtaa 540
 atgaaactgt tgctccattg gagtagtctc ccacctaaat atcaagatgg ctatatgcta 600
 aaaagagaaa atatggtcaa gtctaaaatg gctaattgtc ctatgatgct attatcatag 660
 actaaccgac atttatcttc aaaacaccaa attgtcttta gaaaaaatta atngtgatta 720
 ccaggtagaa ggacctgccg gggcggnccg ctcgaaaggg ccgaaattcc agccccacct 780
 gggc 784

<210> 1659
 <211> 789
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 2, 4, 19
 <223> n = A,T,C or G

<400> 1659
 tngngccctc tagatgcang ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
 cccttagcgt ggtcgcggcc gaggtccatt aaagataagt ttggctaact attttactga 120
 agagactaat ggtcttcctt ctgttgact gctatgtttc ttgatctgtt tttccccaat 180
 gtaacagtct acattgaagt ccttttagctc tctccatata ctaattgaca tttgttaagg 240
 attcaatatt ttgtgaattc tttttaccct taaaatgcat atctttcaga gagataagaa 300
 tgaattttgc aataatttat atgcagagtg tgcttatggg tttctgggag ttcaagttag 360
 taccacagag tgcttaaaaag tacgatgcta aattctaagg ctaatgtaat gactgtagat 420
 tatctatgtc cacattgttc aacagaaata taatgtgaac cacaacataa tttttaattt 480
 tctagtagcc atattaaaaa agaaacaagc aaaattaatt ttaataacag tttatgtaac 540
 ccagtatatt aaaaatatca tttcaacatg taatcaatat aaaagattat taatgaaaca 600
 ccttatctc tttttcttcc atgctaagtc ttagatttga gtgtattttg cactcacagc 660
 acatctcaat tctgactgga cctgcccggg cggccgctcg aaagggcgaa ttccagcaca 720
 ctgggcggcc gttactagtg gatccgagct ccggtaccaa gcttggcgta atcatggtca 780
 tagctgttt 789

<210> 1660
 <211> 559

<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature

<222> 3, 53, 313, 323, 330, 368, 411, 452, 457, 460, 463, 470,
487, 499, 516, 518, 545

<223> n = A,T,C or G

<400> 1660

```
ccnccgcccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcngaattcg 60
ccctttccag cggccgcccg ggcaggtcca tcagacttct tgggtgcctg gctatatcca 120
atgtgaagta aaaaatatcc caagtcttac accaaaatag aggctctgac ttagaagtat 180
gcttttagct ttctttttta atagacatt ctggaagaaa aaaaaagaaa aaggaaagaa 240
aatcaagttt gaaacacagt taacacttat tttggcaaga aagcaaccaa aatctaaaaa 300
gcataaacta tngtgcacaa tgnaaaaggn attacagaac aaactgcaag aggggaaaat 360
taaagccnca ctgaacgaaa aaatacagta tgtctaacat tttggaattg naatttaaac 420
cctaagggca aaagctgaaa aatcatgctt anacctnggn cgngaccacn ctaagggcga 480
attccancac actggcggnc gttactagt gattccnanct cggtagcaag cttggcgtaa 540
tcctnngcat agctgtttc 559
```

<210> 1661

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1661

```
ttgggcccctc tagatgcatg ctcgagcggc cgccagtgtg atggatatct gcagaattcg 60
ccctttccag cggccgcccg ggcaggtctg cagtgtccct ttttatatca tgctagtgtt 120
gagacatact tgactaactt gggaacagtt cgatatattg acaaccgtca acttaagaaa 180
atcaacagct tttggcccca gcgtccaagt gaacttttca tggagtgcag aatctcaaata 240
ggacaaaata ctttgtcttt ttaaataactg aaaatttaata tattagtact atgactgaaa 300
gattcttcat ggctaaaaag ctctgcatca aactcaattc agaggagacct cggccgagac 360
cacgctaagg gcgaattcca gcacactggc ggccgttact agtggatccg agctcggtag 420
caagcttggc gtaatcatgg tcatagctgt ttc 453
```

<210> 1662

<211> 809

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> 16, 25, 47, 98, 301, 437, 446, 461, 464, 491, 500, 524, 526,
530, 564, 589, 599, 603, 617, 633, 657, 658, 676, 682, 689,
696, 709, 726, 738, 742, 751, 753, 755, 762, 773, 776, 779,
784, 789, 792, 802, 805

<223> n = A,T,C or G

<400> 1662

```
ctcgagcggc cgccantgtg atggntatct gcagaattcg cccttanccg ccgcccgggc 60
aggtccttag ccaaagaatg cagtggagcc ttccccngg ggctgcattg tgaatgaata 120
ccaattgaca gcataaaaaat taatagtccc atatcagatc tggaaggggt ttctggggct 180
gtctgatgtc cctatcctgt tgtagtgaac acaatagcag aaaattcttt ctgggtccat 240
```